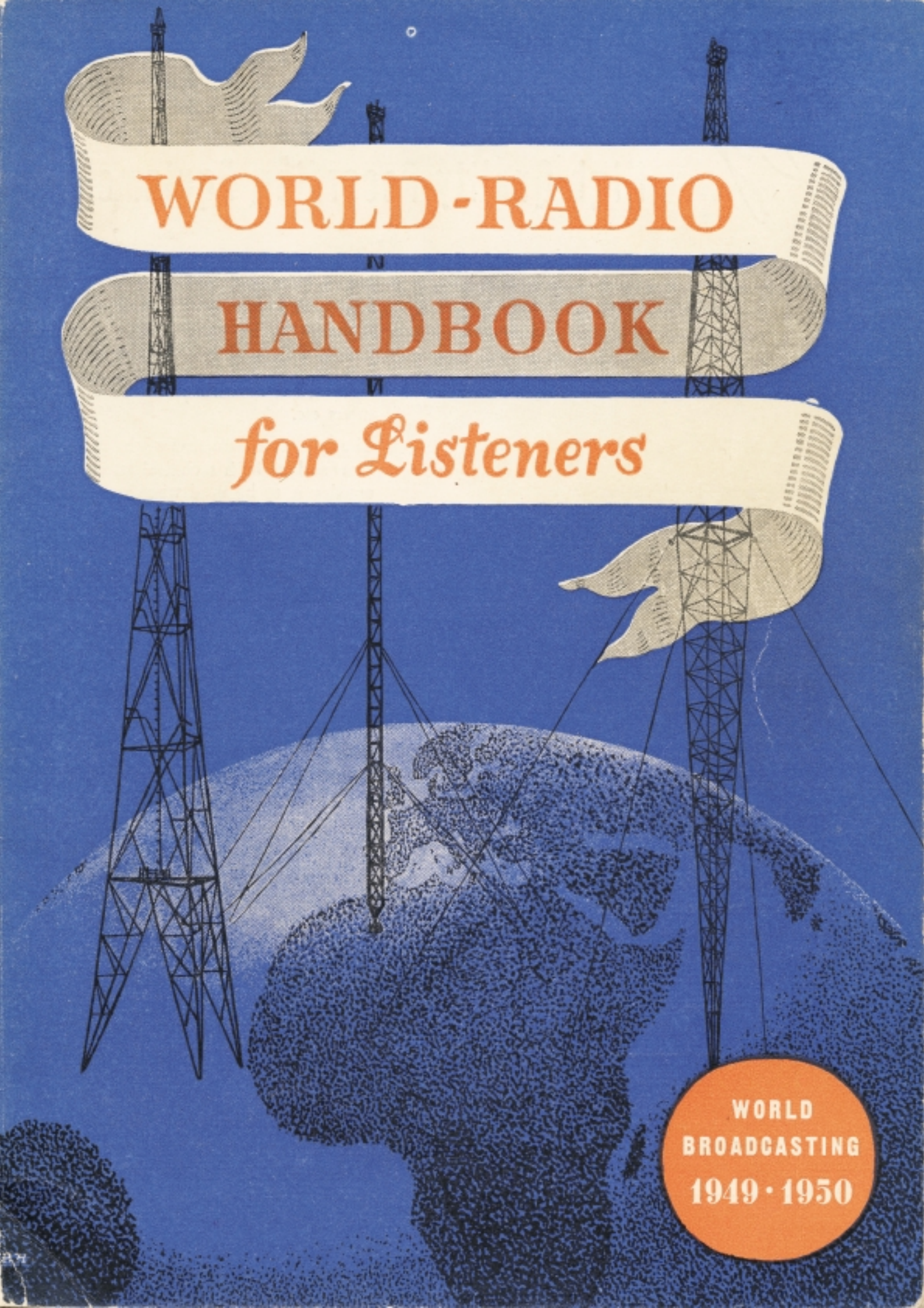
WORLD-RADIO HANDBOOK

for Listeners



WORLD BROADCASTING

1949 · 1950

Lyrec

High Quality Recording Equipment

The *LYREC* Recording and Transcription Equipments are designed for broadcast stations, motion-picture studios, large transcription manufacturers etc.

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Besides Recording and Transcription Turntables we deliver Cutting Heads, Amplifiers and other accessories.

↑ Illustration shows a Transcription Turntable, Model DL27, equipped with high-grade moving-coil pick-ups, lowering device, optical groove-indicators and pre-amplifiers.

Recording Turntable Model SV2, equipped with heavy duty synchronous motor, accurately machined turntable and cutter guide mechanism and with a high-grade cutting head, having a level frequency-response 30-10000 c/s. →

LYREC
Elektroakustiske Apparater
Jægersborg Allé 6,
Copenhagen, Chl.
Denmark

advertisement Lyrec

WORLD RADIO-HANDBOOK *for Listeners*

including WHO's WHO in the World Radio

For the improvement of a better understanding between peoples of the earth

Fourth Edition

WORLD COPYRIGHT BY O. LUND JOHANSEN
Lindorffsalle 1 . Hellerup . Copenhagen . Denmark

October 1949

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O. LUND JOHANSEN

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for information ab. Denmark and cultural cooperation
with other countries

1949/1950 EDITION

Manuscript finished October 1949

Next Edition to be published in October 1950

Printed in Denmark by Det Berlingske Bogtrykkeri
Copenhagen

Listen to

THE VOICE OF DENMARK

The Danish short-wave transmissions are beamed to North America, South America and the Far East

Transmission Hours:

On 31.51 m — 9.520 kc/s
Daily, except Monday 02.00 - 03.30 GMT to *North America*
local North American times: Weekdays 10.00 p.m. - 11.30 p.m. A.S.T.
9.00 - 10.30 E.S T.
8.00 - 9.30 C.S.T.
7.00 - 8.30 M.S T.
6.00 - 7.30 P.S.T.

On 19.78 m — 15.165 kc/s
Tuesdays, *Thursdays*, *Saturdays* } 00.00 - 01.00 to *South America*

local South American times: *Mondays*, *Wednesdays*, *Fridays* } 8.00 p.m. - 9.00 p.m. in Chili; 9.00 - 10.00 in Argentina, Brazil, Uruguay

On 19.78 m — 15.165 kc/s
Tuesdays, *Thursdays*, *Saturdays* } 10.00 a. m. 11.00 a. m. to *the East, Australia and New Zeeland*
For listeners in Europe
On 31.51 m — 9.520 kc/s
Daily 17.40—22.30. GMT. same programme as Copenhagen-Kalundborg

Listeners all over the world are invited to send reception reports together with their critizisms and programme suggestions to

the SHORT-WAVE DEPARTMENT, RADIO HOUSE, COPENHAGEN V., DENMARK

Answer by letter or QSL card

PREFACE TO FOURTH EDITION

During my work I have frequently heard the view expressed that it must be a hopeless task to furnish at the same time both a detailed and practical picture of world radio and its development year by year. I venture to hope that this fourth edition of World Radio Handbook proves that the task can be accomplished, even though it may not yet have been accomplished to perfection.

Developments have necessarily entailed an almost complete renewal of the contents of the third edition and a considerable extension of the material. It has been encouraging for me to observe an ever-increasing appreciation by the different radio organisations and stations of the value of World Radio Handbook, not only for contact between stations and listeners and between radio stations themselves, but also as a means to promote cultural understanding amongst the countries of the world.

It is my hope that in the coming year World Radio Handbook will further develop and extend cooperation between the different radio organisations and stations on the one hand and listeners' associations and the thousands of individual listeners the world over on the other.

It is of great value for the work of World Radio Handbook to receive criticism and wishes from both radio stations and listeners, and I therefore beg everyone who has any ideas or suggestions to offer to make his contribution towards improving the contents, and thus share in perfecting World Radio Handbook. I thank the many radio corporations, stations, listeners' associations and listeners who have come forward to participate in cooperation. This, I trust, will continue and develop further for our mutual benefit.

I am gratified that an opportunity is afforded me in this edition to publish a message from UNESCO, and thus extend the service given world broadcasting by World Radio Handbook.

I have to express thanks to UNO, UNESCO, the international radio organisations: l'Union International de Radiodiffusion (U. I. R.), Geneva, and Organisation International de Radiodiffusion (O. I. R.), Brussels, Danish representatives abroad and The Danish Society for their kind cooperation and interest.

O. Lund Johansen.

Attention is drawn to changes in the order of the sections of the book. The index of contents is to be found on page 111, and the time differences between the several countries' local time and Greenwich Mean Time are assembled in a table on page 110.

1749 - 3. JANUARY - 1949

The readers' trust

during

200 YEARS

has made

Berlingske Tidende

DENMARK'S LEADING PAPER

A Message from

UNESCO

"Since wars begin in the minds of men, it is in the minds of men that the defences of peace must be constructed."

It is this phrase, inscribed in UNESCO Constitution, which is the touchstone, the directive of the UNESCO Radio Unit, whose programmes are heard all round the world, though it does not actual transmitting. No broadcasting organization has ever had a more challenging task, or a more complex one. The idea that war begins in the minds of men, and that peace must be built in the minds of men is certainly not a new one, but for the first time Radio, the swiftest and most direct form of communication, is being used on a world-wide scale toward this great end.

With the guidance of radio experts from various member countries who meet at UNESCO House in Paris several times a year, the Radio Unit works on three distinct lines. It originates and distributes programme material, which serves to further the ideals of UNESCO and builds and distributes programmes suggested by the member states which might serve those same ends.

The first type of activity — the preparation of original programme material — consists of the circulation of complete recorded programmes and of scripts, which are designed so that they may be used in their entirety or may be cut or adapted to fit the particular needs of any local station.

The recordings are usually taken from an original inscribed on magnetophone and dubbed on to discs in the studio in UNESCO House. They are sent air freight to the various organizations that might be able to use the particular programme.

Some of these recordings are literally dispatched all over the world. When the Director-General of UNESCO, Dr. Jaime Torres-Bodet, is scheduled to make an important speech, sometimes thousands of miles from Paris, he often pre-records his address at headquarters in English, French and Spanish. Copies are sent out by air, so that listeners in any part of the globe may hear the speech at the same time Dr. Torres-Bodet delivers it himself.

A rich source of material is found in the many prominent personalities who visit UNESCO House. They might be interviewed, take part in round-table discussions, or make short talks on their special field of particular interest. They are often prominent scientists, statesmen, figures in the arts, or ordinary citizens whose support is vital to any international endeavour. For example, the Burmese Minister to France, M.S. Mya Sein, broadcast his impressions of UNESCO's work to his country, while listeners in the United States were able to hear a similar talk by the film star, Miss Myrna Loy, member of the Southern California Council for UNESCO.

Since January 1st 1949, UNESCO Radio has recorded over one hundred and eighty different programmes. Over four hundred and fifty sets of these programmes were dispatched on approximately a thousand discs, all of them prepared in the small studio at UNESCO House.

The recordings were made in the following 17 languages: *Burmese, Czech, Danish, Dutch, English, Finnish, French, German, Greek, Italian, Japanese, Persian, Polish, Portuguese, Russian, Spanish, Swedish.*

A mobile recording unit has been put into service at UNESCO and has already been used to gather on-the-spot material in the Voluntary International Work Camps in Belgium and Central France. The unit is often borrowed by representatives of national broadcasting services.

Almost five thousand copies of special scripts have been circulated throughout the world by UNESCO Radio. Some of these were talks by qualified experts, who work directly with the organization, or again by visitors to the Paris headquarters. They range from an analysis of "Social Tensions" to a series on "Music and Folklore", which was accompanied by recordings of the music discussed.

The "UNESCO WORLD REVIEW" is a weekly fifteen minute script, which is used in some form in thirty-eight countries and territories. It consists of a five-minute round-up of brief items covering developments in education, science and culture, and two five-minute talks by specialists in fields which fall within the range of UNESCO's interest. It includes a special series on "Food and People" prepared in co-operation with the FAO, a series on "Fundamental Education", and single talks on such divers topics as "Comic Strips" and "Radio-active Cobalt".

The Radio Unit also co-operates with other sections of UNESCO's Department of Mass Communications in encouraging the exchange of information between the broadcasters themselves, such as the data contained in the "World Radio Handbook".

As this volume goes to press, material supplied by the UNESCO Radio Unit has been used in fifty-two countries and territories. Interested broadcasters who have not yet availed themselves of its services should communicate with UNESCO in Paris.

THIS IS LA VOIX DU **Canada**

Programs from Canada are beamed daily to Europe in English, French, Dutch, Czech, Slovak, German, Danish, Norwegian, Swedish and Italian, to the Caribbean and South America in English, Spanish, Portuguese, French and Dutch, and every Sunday in English to the Southwest Pacific.

Listeners in all countries are invited to tune in to Canada's International Service for a day-to-day chronicle of Canadian life and to write requesting a monthly program bulletin.

CBC INTERNATIONAL SERVICE

Post Office Box 7,000 . Montreal . Canada

For frequencies on which CBC International Service may be heard see page 76.

INTRODUCTION

The practical information given in the following section concerning broadcasting in each individual country includes:

The difference in time between normal clock time in the country in question and Greenwich Mean Time and whether the country in question has introduced summer time. *All times listed in the surveys are Greenwich Mean Time (G. M. T.).* Page 110 you will find a *Timetable,* which gives the time difference between *your* time and *Greenwich Mean Time* enabling you to fix the right time to listen to the different stations.

The address of the broadcasting companies in question.

The names and titles of the leading personalities in each company.

The stations belonging to the company in question, giving their call-signs for short wave stations, frequencies, and corresponding wavelengths, together with the power expressed in kilowatts. For Europe, North Africa and the Near East all broadcasting stations are shown, and for other countries all short wave broadcasting stations.

Each short wave station has its own identification call-sign consisting of 3—5 letters or combinations of letters and figures, of which the first, or the two first, show the nationality. Some short wave stations, for example, the American, employ the identification call signs when announcing.

Long and medium wawe stations are divided into *Main stations,* which are so powerful that they can generally be heard in the whole area of the country in question, and from which most of the broadcasting emanates, *Regional stations,* which can be heard within a certain area of the country in question, and whose broadcasts consist partly of retransmissions of the programmes of the main stations and partly their own programmes, and finally *Relay stations,* which solely retransmit the programmes of main stations. The relay stations are the weakest, and are local stations which can only be heard within a small area.

Most of the short wave stations use dirigible antennæ, that is to say, broadcasts are directed towards particular areas, and these are therefore termed the various services: European service, Near Eastern, Middle Eastern, Far Eastern, Pacific, Latin-American, Caribbean service etc. The language and the frequency employed vary in accordance with the area to which the broadcast is directed.

Daily Programmes. Under this heading will be found information concerning the total broadcasting hours, *expressed in Greenwich Mean Time,* of the different frequencies employed during broadcasting hours, and a survey of the day's broadcasting.

Frequency and wavelength.

Frequency and wavelength are divided into following groups:

Long waves with frequencies from 133 kc/s (1961 metres) to 500 kc/s (600 metres).

Medium waves with frequencies from 500 kc/s (600 metres) to 3000 kc/s (100 metres).

Short waves with frequencies from 3000 kc/s (100 metres) to 30000 kc/s (10 metres).

Megacycles, kilocycles, metres are three different terms for the wave length. 1 megacycle is equal to 1000 kilocycles. Megacycles are changed to kilocycles by multiplying megacycles by 1000. Kilocycles are changed to megacycles by dividing by 1000. Kilocycles are changed to metres by dividing kilocycles into 300000. Metres are changed to kilocycles by dividing metres into 300000. Metres are changed to megacycles by dividing metres into 300. — Kc/s means kilocycles per second = 1000 oscillations per second.

Short waves are divided into the following metre bands (m. b.):

49 metre band — 41 metre band — 31 metre band — 25 metre band — 19 metre band — 16 metre band — 13 metre band and 11 metre band.

Many short wave stations lie outside these bands. The 60 and 80 metre bands are used for local broadcasting, i. e. for reception over relatively short distances like, for example, South and Central American stations and stations in Central Africa.

In order at all times to obtain the best possible reception of shortwave broadcasts, stations change the frequency used at different times of the day and night; the season of the year is also a factor when settling the size of a frequency.

How to tune in to your favourite shortwave station.

Practice is required to adjust the receiver correctly to a shortwave station. A movement of only a hair's breadth may give the correct adjustment. When a shortwave station is found it must be finely adjusted by gently turning the scale button backwards and forwards, whilst at the same time screwing up the volume control so much that the station in question can be identified. If the scale button is turned too quickly a weak station may be missed.

Reception conditions for shortwaves can be very capricious. After listening to a far-distant station for a short time it can disappear entirely (fades), and does not come again immediately.

The same broadcast is often sent simultaneously on several wavelengths. Should you have adjusted the receiver to the station to which you want to listen and reception is unsatisfactory, try the other wavelengths used by the station during the period in question.

How to identify a shortwave station.

Should you chance to hit upon a station which you want to listen to and identify, do as follows: Read the approximate frequency, which is given in megacycles, kilocycles or metres. Look in the frequency table for the stations lying in the vicinity of the frequency. When you have limited the station to one or two possibilities and observed the programme and language, check these against the programme surveys.

QSL Card.

As shown in the survey of the various broadcasting countries, many of the stations are interested in receiving reports from listeners concerning their broadcasts. Stations acknowledge these by sending listeners a QSL card or a letter. In the case of most stations it is stated if reports are answered by a QSL card.

Many shortwave listeners make a hobby of collecting these QSL cards. Such reports can in most cases be drafted in English, but to the South and Central American countries preferably in Spanish. The report should contain information concerning wave length, date, time, programme listened to, intelligibility, strength and whether there was any fading e. g. variable strengths (QSB), interference from another station (QRM) and static e. g. atmospheric interference (QRN). If it was an amateur station the report must contain the call letters of the station working. — Give details of your location, type of receiver and aerial. If postage is wanted enclose with the report an International Reply Coupon, obtainable at most post offices. *Greenwich Mean Time (G. M. T.) is employed in giving the time.* — The complete address for each station will be found under the various surveys of the countries broadcasting.

The following descriptions are used:

Intelligibility.	Strength.	Interference:
QRK1 — unintelligible	QSA1 — unreadable	QRM — interference from another station
QRK2 — partly unintelligible	QSA2 — weak	QRN — atmospheric interference (static)
QRK3 — intelligible with difficulty	QSA3 — fairly good	QSB — variable strengths (fading)
QRK4 — quite intelligible	QSA4 — good	
QRK5 — easily intelligible	QSA5 — very good	

EUROPE
TROMSO
NOVOSIBIRSK
LULEÅ
OULU
ARCHANGEL
BODÖ
BERGEN
OSLO
PORI
LAHTI
HELSINKI
FALUN
STAVANGER
TURKU
VIBORG
LENINGRAD
NORTH IRELAND
SCOTT. REG
KRISTIANSAND
STOCKHOLM
TALLINN
DUBLIN
NORTH REG.
GOTHENBURG
PETROPAWLOWSK
ATHLONE
WESTERN. REG
MIDL. REG
MALMÖ
RIGA
KASAN
WELSH REG
COPENHAGEN
MADONA
MOSKOW
KAUNAS
LONDON
AMSTERDAM
HAMBURG
VILNA
SMOLENSK
KUBYCHEW
HILVERSUM
MINSK
LILLE
BRUSSELS
BERLIN
ROUEN
PARIS
LUXEMBURG
LEIPZIG
WARSAW
FRANKFURT
LODZ
LIMOGES
CLERMONT
B. BADEN
PRAGUE
KRACOW
STUTTGART
VORALBERG
MUNICH
LVOV
KIEW
CHARKOW
SAN SEBASTIAN
LINZ
BRATISLAVA
BORDEAUX
LYON
VIENNE
DNEPROPETROVSK
ROSTOW
PORTO
PAU
SOTTENS
BEROMÜNSTER
SALZBURG
GRAZ
BUDAPEST
ALMA ATA
TOULOUSE
TURIN
M.C.
TASCHKENT
LISBON
MILAN
LJUBLJANA
ROMANIA
ODESSA
NICE
ANDORRA
GENOA
VENICE
MADRID
BARCELONA
MARSEILLE
ZAGREB
FLORENCE
BELGRAD
SIMFEROPOL
SEVILLE
SARAJEVO
BUCAREST
VALENCIA
MENORCA
SOFIA
ROM
TIFLIS
SKOPLJE
NEAPEL
BARI
TIRANA
BAKU
SALONICA
ERIVAN
ORAN
ALGIERS
TUNIS
SARDEGNA
MESSINA
ATHEN
ANKARA
TÆBRIZ
TEHERAN
MALTA
ALEPPO
BAGDAD
TRIPOLIS
BEIRUT
BENGHASI
JERUSALEM
CAIRO

L'UNION INTERNATIONALE DE RADIODIFFUSION (U. I. R.).

Addres: 37 Quai Wilson, Geneva.

Leading Personalities: Board of Directors: President G. Conus (Switzerland). Vice-presidents: J. Bomholt (Denmark), L. O'Broin (Eire), G. Spataro (Italy), Ahmed Sükrü Esmer.

Membres actifs: Austria, Denmark, Greece, Norway, Eire, Italy, Portugal, Swiss, Spain, Sweden and Turkey.

Membre à titre spécial: Cité du Vatican.

"Membres associês": South African Broadcasting Corporation, Johannesburg — Direction générale des Postes et des Telegraphes Buenos Aires Argentina — Amalgamated Wireless (Australasia). Ltd. Sydney — Burma — The Central Broadcasting Administration Nanking — The National Broadcasting Company New York — Iran. —

INTERNATIONAL BROADCASTING ORGANIZATION (I. B. O.).

Address: 32, Avenue Albert Lancaster, Brussels.

Lealing Personalities: Board of Directors: Chairman: J. Kuypers (I. N. R., Belgium). Vice-Chairmen: M. Arbousov (Radio Committee U.S.S.R.) and J. Meyer (Radiodiffusion française). Directors: S. Sernesi (Radio Italiana), Prof. P. S. Gerbrandy (N. R. U., Netherlands), M. Socor (Broadcasting Committee to the Gov. of the Rumanian P. R.), K. Stahl (Czechoslovakian Radio — Delegate to the Technical Centre). Deputy-Directors: Th. Fleischman (Belgium), L. Daumard (France), G. F. Zaffrani (Italy Delegate to the Administrative Office), J. B. Broeksz (Netherlands), P. Luchian (Rumanian P. R.), V. Strnad (Czechoslovakia), A. Chtchetinine (U. S. S. R.). Secretary General: Léo Wallenborn.

EUROPE

ALBANIA

Population: 1.128.000. **Listeners:** 40.025.

Advertising allowed.

Address: Direction Centrale de la Radiodiffusion d'Albanie, Rue Conference de Peza 3, Tirana.

Leading Personalities: Director General: M. Petro Kito.

Stations:

Tirana	1500 kc/s	200 m	1 kW
Korça	1258 kc/s	238 m	0,2 kW
Gjinokastra	968 kc/s	310 m	0,1 kW
Hekurudha	632 kc/s	474 m	0,1 kW
Tirana	4880 kc/s	61.48 m	3 kW
Tirana	6084 kc/s	49.31 m	3 kW
Korça	7430 kc/s	40.39 m	3 kW
Korça	7611 kc/s	39.50 m	3 kW
Tirana	7853 kc/s	38.22 m	3 kW
Shkodra	8220 kc/s	36.50 m	3 kW
Tirana	9958 kc/s	30.12 m	3 kW
Tirana	15630 kc/s	19.19 m	3 kW

New frequencies after March 1950.

Gjinokastra	1430 kc/s	209 m	5 kW
Tirana	1358 kc/s	221 m	100 kW
Korça	1088 kc/s	276 m	10 kW
Shkodra	1088 kc/s	276 m	10 kW

A 60 kW medium-wave transmitter is under construction.

Daily Programmes in Albanian on 200 m: Weekdays: 05.30-07.30, 13.30-14.30, 16.30-22.00. Sundays: 06.00-10.30, 11.30-14.15, 16.00-22.00.

News: 05.30, 17.30 and 21.30.

Daily News in different languages on 38.22 m.

18.00 News in Greek	19.45 News in Turkish
18.15 News in Italian	20.00 News in Serbo-Croat
18.30 News in Roumanian	20.15 News in English
18.45 News in French	20.30 Progr. for Albanians abroad
19.00 News in Albanian	
19.15 News in Russian	21.30 Close down
19.30 News in Bulgarian	

Interval Signal: A raising and falling cadence of 12 musical notes.

Message to Listeners: Reports answered by letter.

RADIO-ANDORRA

Advertising allowed.

Address: Emisiones de Radio-Andorra, Roc de les Anelletes, Andorra la Vieja, Principado de Andorra.

Leading Personalities: Chairman: Mrs. Vila Llobet. Directors: Don José Jara Peralta and Don Mauricio Perrot. Technical Director: Don Lucien Killmayer. Administrative Secretary: Don Juan Levrat.

Stations: Radio Andorra.

704 kc/s	426.1 m	60 kW
5980 kc/s	50.16 m	25 kW
9330 kc/s	32.15 m	25 kW inactive

Daily Programmes in French and Spanish from 11.30-14.00 and 18.00-24.00.

Special Programmes on 50.16 m.

21.25 Request Concert

Saturday: 12.30 "Vos chanteurs préférés"

Sunday: 23.00 "Aimez-vous la danse?"

Announcement in Spanish and French: In Spanish: "Aqui Radio-Andorra" (Woman's voice) — In French: "Ici Radio-Andorra" (Man's voice).

Interval-Signal: Gong.

Message to Listeners: Reports are welcomed. Special concerts, grouping the pieces requested every day by the listeners.

AUSTRIA

Population: About 7 millions. **Listeners:** 1.200.000.

Radiopublications: "Radio-Wien", Wien IV, Argentinierstrasse 30 A. "Radio-Woche", Bregenz. "Funk und Film", Wien V.

Stations:

Vorarlberg-Dornbirn	West	519 kc/s	578 m	6-20 kW
Innsbruck	West	519 kc/s	578 m	1,2 kW
Klagenfurt	BFN	565 kc/s	531 m	1 kW
Vienna	Alpenland	565 kc/s	531 m	15 kW
Graz	BFN	565 kc/s	531 m	1 kW
Vienna I	RAVAG	592 kc/s	507 m	10 kW
Linz KOFA	Blue Danube	629 kc/s	477 m	1 kW
Vienna	BFN	868 kc/s	345 m	1 kW
Dobl	Alpenland	886 kc/s	339 m	100 kW
Vienna WOFA	Blue Danube	1068 kc/s	281 m	1 kW

Salzburg KZCA	Blue Danube	1104 kc/s	271 m	1 kW
Salzburg	Rot-Weiss-Rot	1267 kc/s	237 m	5 kW
Graz	Alpenland	1285 kc/s	233 m	15 kW
Klagenfurt	Alpenland	1285 kc/s	233 m	15 kW
Linz	Rot-Weiss-Rot	1294 kc/s	232 m	15 kW
Vienna II	RAVAG	1312 kc/s	229 m	10 kW
Vienna	Rot-Weiss-Rot	1429 kc/s	210 m	15 kW
Vorarlberg	West	6000 kc/s	50.00 m	0,5 kW
Vienna I	RAVAG	6155 kc/s	48.74 m	0,3 kW
Vienna II	RAVAG	7240 kc/s	41.38 m	0,4 kW
Salzburg	Blue-Danube	9533 kc/s	31.47 m	0,3 kW
Vienna	Rot-Weiss-Rot	9563 kc/s	31.37 m	0,2 kW
Vienna II	RAVAG	9664 kc/s	31.04 m	0,2 kW
Vienna I	RAVAG	11785 kc/s	25.45 m	0,2 kW

New frequencies after March 1950.

Wien I	584 kc/s	515 m	120 kW
Graz-Dobl	1025 kc/s	292 m	100 kW
Dornbirn	1394 kc/s	215 m	5 kW
Graz	1394 kc/s	215 m	15 kW
Innsbruck	1394 kc/s	215 m	5 kW
Linz	1394 kc/s	215 m	5 kW
Wien II	1475 kc/s	203 m	30 kW
Salzburg	1475 kc/s	203 m	20 kW
Klagenfurt	1475 kc/s	203 m	20 kW
Intern Common	1484 kc/s	202 m	2 kW
frequency	1594 kc/s	190 m	2 kW

American Zone

THE BLUE DANUBE NETWORK

Address: HQ USFA, APO 777, US Army, Austria.

LEADING PERSONALITIES:
Chief of Blue Danube Network: Mr. Bill Willey — Executive Officer, BDN: Lt. Joseph J. Hedley — Program Director, BDN: Mr. Reginald B. Sanders — Traffic Director, BDN: Mrs. Helen S. Read — Chief Announcer, BDN: Mr. Robert A. Abbott — News Chief & Publicity, BDN: Mr. Vincent B. Miller — Chief Engineer, BDN: Mr. David Lobel — Station Manager KZCA, Salzburg: Cpl. Frederick Y. Endo — Station Manager KOFA, Linz: Mr. Jewell R. Tanksley —

Stations:

Salzburg KZCA	1104 kc/s	271 m	1 kW
Vienna WOFA	1068 kc/s	281 m	1 kW
Linz KOFA	629 kc/s	477 m	1 kW
Salzburg KZCA	9533 kc/s	31,47 m	0,3 kW

Daily Programmes in English: Weekdays: 05.00-23.00. Sundays: 06.00-23.00.
News: Weekdays: 06.15, 08.00, 11.00, 12.00, 14.00, 17.15, 20.55, 21.58. Sundays: 08.00, 11.00, 17.15, 19.00, 21.55.
"This World This Week": Saturdays: 20.45. Sundays: 07.00.
"The Week in Austria": Sundays: 12.30.
"USFA Bulletin" (News): Weekdays: 06.55 and 17.00.
"Local News" will be heard throughout the week on the following programmes: "BDN Breakfast Club", "Luncheon Matinée", "Footnotes at 05.45, 16.45" and "Entertainment Highlights".
Concerts: Concert Hour: Weekdays at 15.00. "Hollywood Bowl Concert or "Metropolitan Opera". Sundays at 15.30.
Programs of general entertainment as variety-shows, comedies, dramas, mystery-shows, music-shows and sports can be heard throughout the week chiefly in the evening hours, including "Jack Benny", "Milton Berle", "Fibber McGee & Molly", "Bing Crosby", "Jack Carson", "Hit Parade", and others.

ANNOUNCEMENT:
Network cue after completion of each program: "This is the Blue Danube Network".

Interval Signal: "BDN Serving United States Forces in Austria". Time tones on the hour with five (5) seconds interval.

Message to Listeners: The Blue Danube Network serves American military and civilian personnel stationed in Austria, bringing them the best in radio, through the Armed Forces Radio Service, plus its own original programs and productions. Letters are welcomed from European listeners.

SENDERGRUPPE ROT-WEISS-ROT

Address: Sendergruppe Rot-Weiss-Rot, Hofstallgasse 5, Salzburg. Promenade 23, Linz, or Seidengasse 13, Wien VII.

Leading Personalities: Station-Coordinator for Vienna: Mr. Josef R. Sills. Programme-Director for Salzburg: Dr. Geza Rech. Programme-Director for Linz: Mr. Andreas Reischek. Chief-Engineer: Dr. Rudolf Stamminger. Music Director: Mr. Emmerich Zillner.

Stations:

Salzburg	1267 kc/s	236.8 m	5 kW
Linz	1294 kc/s	231.8 m	15 kW
Vienna	1429 kc/s	210.0 m	15 kW
Vienna	9563 kc/s	31.37 m	0,2 kW

Daily Programmes: 05.00-23.00.

Weekdays:	*Sundays:*
05.00 News, Music	22.55 News, News in Hungarian
06.00 News, Music	05.00 News, Music
06.20 News in Czech, Music	06.45 Protestant Service
07.30 News in Croat, Music	07.00 News, Music
08.00 Yesterday's Best Show	08.00 Catholic Service
11.30 News Music	10.00 Music
12.30 Talk, Music	11.30 News, Music
13.30 Music	16.00 Music
14.00 "Was Sie gern hören"	18.00. America calls Austria
16.00 Concert Hour	19.00 News
17.00 News, Music	21.00 News
18.00 America calls Austria	22.55 News in Hungarian
19.00 News	
21.00 News	
22.55 News in Hungarian	

Highlights of Programme:

Drama:	22.00 Saturday.
Opera, Concert:	20.00 Wednesday.
RWR-Theatre:	20.00 Thursday.
Cabaret:	20.30 Saturday.
Sandman Serenade:	22.00 Saturday.

Announcement: "Hier ist die Sendergruppe Rot-Weiss-Rot", Wien auf Welle 210 m, Salzburg auf Welle 236.8 m, Linz 231.8 m und der Kurzwellensender auf 31.37 m."

Interval-Signal: The first four movements of the "Blue-Danube" by Johann Strauss.

Message to Listeners: All reports of reception answered by QSL-card.

British Zone

SENDERGRUPPE ALPENLAND

Advertising from Graz and Klagenfurt allowed.

Address: Sendergruppe Alpenland, Funkhaus Graz, Zuserthalgasse 14 a, Graz.

Leading Personalities: Programme Director: Dr. Harald Scheibel. Chief Producer: Mr. Otto Hofmann-Wellenhof.

Chief Engineer: Ing. Kurt Weinschenk. Administrative Director: Ing. Dietrich Cordes.

Stations:

Schönbrunn	565 kc/s	531 m	15 kW
Dobl	886 kc/s	338.6 m	100 kW*
Graz	1285 kc/s	233.4 m	15 kW
Klagenfurt	1285 kc/s	233.4 m	15 kW

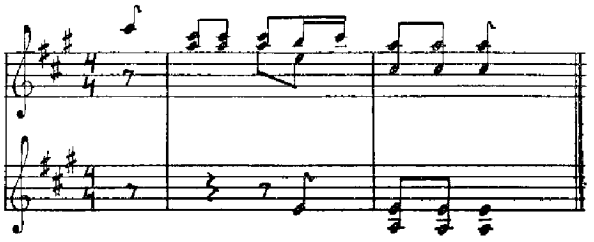
* Incorporated in the BBC European Service (see Gt. Britain)

Daily Programmes in German: Weekdays: 04.57-07.15, 09.05-23.00 Sundays: 05.30-24.00. After March 1950 Station Dobl: Weekdays 09.05-13.00 only. Sundays 07.00-14.30 only.

Weekdays:	*Sundays:*
05.00 News	05.30 News
06.00 News. Progr. Preview	06.00 News. Progr. Preview
07.00 News	07.00 News
11.30 News	08.00 News
16.00 News	09.00 High Mass
19.00 News	11.30 News
21.00 News. Progr. Preview	16.00 News
22.55 News	19.00 News
	21.00 News
	22.55 News

Announcement: "Hier ist die Sendergruppe Alpenland".

Interval-Signal: "Am frischgeschnitt'nen Wanderstab" (Song by Hugo Wolf).



Message to Listeners: Die Sendergruppe Alpenland will be grateful for reception reports.

BRITISH FORCES NETWORK

Address: B. 7 Forces Broadcasting Station. H. Q. of the British Forces Network in Austria, Vienna.

Leading Personalities: Commander: Capt. R. Angove, Technical Officer: S/Ldr A. F. Thorpe, Programme Controller: Mr. E. D. King.

Stations:

Klagenfurt	565 kc/s	531 m	1 kW	Relay St.
Graz	565 kc/s	531 m	1 kW	Main St.
Vienna	868 kc/s	345 m	1 kW	Relay St.

Daily Programmes in English: Weekdays: 07.00-08.00, 09.30-13.30, 15.00-22.00. Sundays: 07.00 22.00.

Highlights of Programmes: 07.05 News and Press Review — 07.30 Music — 09.30 Music — 11.00 News — 12.00 From the Editorials — 13.00 News from London — 16.00 News — 17.00 Mail Bag — 20.00 News, Music.

Announcement: Opening melody: "Rule Britannia". Closing melody: "The King". Text: "This is the British Forces Network, Austria, operated by the Forces Broadcasting Service from Klagenfurth, Graz and Vienna."

French Zone

SENDERGRUPPE WEST

Advertising allowed.

Address: Sender *Vorarlberg,* Dornbirn, Rathausplatz 1. Sender *Innsbruck,* Innsbruck, Landhaus, Neubau.

Leading Personalities:

Voralberg: Bundesrat Eugen Leissing and Director of Programmes: Mr. Ludwig Standl.

Innsbruck: Director of Programmes: Dr. Arthur v. Schussnigg.

Stations:

Radio Vorarlberg-Dornbirn	519 kc/s	578 m	6-20 kW
Radio Innsbruck	519 kc/s	578 m	1,2 kW
Radio Vorarlberg S. W.	6000 kc/s	50.00 m	0,5 kW

Daily Programmes: *Weekdays:* 05.00-08.00, 10.00-13.10 and 15.00-23.00. *Saturdays:* 05.00-08.00 and 10.00-23.00. *Sundays:* 06.00-23.00

Weekdays:	
05.00	News, Music
06.00	News, Preview, Music
07.00	News in French (from Paris)
10.00	Music
11.45	News in French from Paris
15.00	Music
15.30	Progr. Preview, Music
19.00	News
21.00	News, Progr. Preview, Music

Sundays:	
06.00	News, Progr. Preview, Music
07.00	News in French (from Paris)
07.20	Music
08.30	Catholic Service
10.00	Symphony Concert
11.45	News
13.00	News in French (from Paris)
15.00	New Austrian Music
15.30	"Chamber Music"
16.00	Dance Music
17.00	Music.
18.45	From Tyrol
19.00	News
21.00	News, Progr. Preview, Music

Highlights of Programmes:

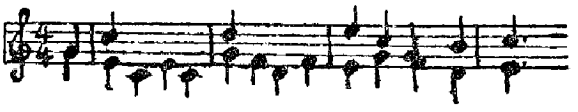
Symphony Concert: 19.45-21.00 Wednesday.
Radio Theatre: 19.15-21.00 Thursday.

Announcement: "Österreichische Sendergruppe West, Radio Innsbruck, Radio Vorarlberg (Studio Innsbruck-Studio Dornbirn)".

Interval-Signal: *Innsbruck:* Harp-play "Mein schönes Innsbruck am grünen Inn".

Closing with Andreas Hofer Song.

Vorarlberg-Dornbirn: "Segenvolle Ahnenscholle, schönes Land am jungen Rhein".



RAVAG

U. S. S. R. Zone

Advertising allowed.

Address: Ravag, Argentinierstrasse 30 A, Wien IV.

Leading Personalities: Öffentlicher Verwalter für das österreichische Rundspruchwesen Dr. Siegmund Guggenberger. Programme Director: Prof., Dr. Rudolf Henz. Chief Engineer: Ing. Wilhelm Füchsel.

Stations:

Vienna I	592 kc/s	506.8 m	10 kW
Vienna II	1312 kc/s	228.6 m	10 kW
Vienna I	6155 kc/s	48.74 m	0,3 kW
Vienna II	7240 kc/s	41,38 m	0,4 kW
Vienna II	9664 kc/s	31.04 m	0,2 kW
Vienna I	11785 kc/s	25.45 m	0,2 kW

DAILY PROGRAMMES from Vienna I.

On 506.8 m, 48.74 m and 25.45 m: Weekdays: 04.45-08.00, 09.00-23.05 (Sat. 24.00), *Sundays:* 05.30-24.00.
On 41.38 m and 31.04 m: Weekdays: 04.45-15.00, 22.30-23.05, (Sat. 24.00), *Sundays:* 05.30-08.15, 22.30-24.00.

Weekdays:
05.00 News, Music
06.00 News, Progr. Preview, Music
11.45 News, Music
13.15 Request Concert
15.55 Progr., Preview, News
16.10 Music
16.40 Actualities from the Soviet Newspapers (Sat. 17.00)
17.50 "Stimme zur Zeit" (Sat. 18.05)
18.30 "Das Echo des Tages"
19.00 News
19.15 Music or Play (Tuesd.: Opera or Operetta Thursd.: Russian Pr.)
21.20 News, Music
21.40 News from Moscow
23.00 News, Progr. Preview for the next day

Highlights of Programmes:
"Wir laden ein": Saturdays at 19.15
"Radio Theatre": Wednesdays and Fridays at 19.15
Opera or Operette: Tuesdays at 19.15
Russian Hour: Thursday at 19.15
Variety: Wednesdays at 20.15

DAILY PROGRAMMES from Vienna II.

On 228.6 m Relay Vienna I: *Weekdays:* 04.45-15.00
Sundays: 05.30-08.15

On 228.6 m, 41.38 m and 31.04 m a special programme: Monday to Saturday: 15.10-22.30, Sunday: 08..15-22.30

Highlights of Programmes:
"Klingendes österreich" on 1., 3., and 5. Sunday at 19.15
Orchestral Concert: Wednesdays 19.45
Chamber Music: Thursdays 20.10
Programme-exchange Paris-Wien: Mondays 19.15-20.05 from Paris. Fridays 19.15-19.20 to Paris

Announcement: "Hier ist Radio Wien auf ..... (Wavelengths).

Interval-Signal: Tick-tack of an alarm clock.

BELGIUM

Population: 8.500.000. **Listeners:** 1.226.804
Radiopublications: Micromagazine (French) Brussels. Editor: Herman Engels. De Radioweek (Flemish). Brussels. Editor: Mr. André Guery. Official weekly radio-journals.
Address: Institut National Belge de Radiodiffusion, Place Eugene Flagey 18, Brussels.

Leading Personalities: The President of the Conseil de Gestion: Minister of Communication: Mr. Achiel van Acker. *Flemish Dept.:* Director General: Mr. Jan Boon. Deputy Director General: Mr. Gust De Muynck*. Director of Music: Mr. P. Gollaer. Director of Spoken Word: Mr. Raymond Brulez. For Press and Information: Mr. Herman Engels. *French Dept.:* Director General: Mr. Theo Fleischmann. Asst. Director General: Mr. Roger Clausse. Director of Music: Mr. René Tellier. Director of Spoken Word: Mr. Frans Hoosemans. For Press and Information: Mr. André Guèry. *Overseas Dept.:* Director Mr. Franz Zoete. Technical Dept.: Director General Mr. Fernand Mortiaux. Asst. Director General: Mr. Georges Hansen. Foreign Relations: Mr. M. Swaenepoel.
* The Delegate of the Minister of Communications with the Belgian National Radio Institute

Stations:
French transmissions:

Brussels I	620 kc/s	483.9 m	20 kW
Brussels IV	868 kc/s	345.6 m	10 kW
Liège	1140 kc/s	263.2 m	0,25 kW
Namur	1492 kc/s	201.1 m	0,3 kW
Hainaut	1492 kc/s	201.1 m	0,25 kW
Flemish transmissions:			
Brussels II	932 kc/s	321.9 m	20 kW
Brussels III	1285 kc/s	233.5 m	5 kW
Ghent	1465 kc/s	204.8 m	0,2 kW
Anvers	1465 kc/s	204.8 m	0,2 kW
Courtrai	1483 kc/s	202.3 m	0,2 kW
Limbourg	1483 kc/s	202.3 m	0,2 kW
Shortwave stations:			
Ruyselede	17845 kc/s	16.85 m	5 kW
Ruyselede	21450 kc/s	13.98 m	5 kW
FM-Station	110.1 mcs	2.99 m	1 kW

New frequencies after March 1950.

Brussel I	620 kc/s	483.9 m	150 kW
Brussels II	926 kc/s	323 m	150 kW
Brussels III	1124 kc/s	266 m	20 kW
Brussels IV	1511 kc/s	199 m	20 kW
Intern. common	1484 kc/s	202 m	2 kW
frequency	1594 kc/s	191 m	2 kW

Daily Programmes in French from Brussels I
Weekdays from 05.30-08.30, 11.00-14.30, 16.00-22.00 (Sat. 23.00).

Sundays from 05.30-23.00.

05.30 Music
05.45 Exercise
06.00 News
06.10 Music
06.45 Exercise
07.00 News, Music
08.10 Symphonic Records
11.05 Music
12.00 News
12.30 Records (Weekdays)
13.00 Request Concert (Sund.)
16.10 Music (Weekdays)
16.30 For Troops (Sundays)
17.00 For Troops (Weekdays)
17.00 For the Youth (Sund.)
17.30 Music (Weekd.)
18.45 News
19.00 Music
21.00 News
21.15 Music or Variety
21.55 News
22.00 Music (Sat. and Sun.)
22.55 News (Sat. and Sun)

FM: 19.00-20.30 on 100.1 mgc on Sunday (21.15), Monday, Wednesday and Thursday.

Hainault from 11.00-13.00 (Sund. 13.15), 17.10-22.00 (Relay and Regional)

Liége from 11.00-13.00, 17.10 (Sund. 17.00)-22.00 (Relay and Regional)

Namur: 09.00-10.55, 15.00-17.00 on 201.1 m. 17.25-19.00 on 345.6 m.
Thursday, Friday, Saturday also from 19.00-22.00 on 345.6 m.

Brussels IV: From 05.30 Relay Brussels I. From 17.00 Relay Regional Stations.

Weekdays from 17.00-c. 17.25 a special broadcast in *German* for the Belgian East-Cantons. Program consists of Music, News, French-Lessons and Talks.

Highlights of Programmes: Symphonic Concert: Wednesday at 19.00. Radio Play: Thursday at 19.00. "Notre Cabaret": Monday at 19.00. Opera: Tuesday at 20.00. Radio Variety: Friday 19.00-20.15.

Daily Programmes in Flemish from Brussels II:
Weekdays from 05.30-09.00, 11.00-14.00, 16.00-22.00
Saturdays from 5.30-9.00, 11.00-23.00
Sundays from 05.30-23.00

05.30 Music and Exercise
06.00 News (Weekdays)
07.00 News
08.00 News
08.05 Music
10.45 Radio Journal (Sun.)
11.00 Music
12.00 News, Music
12.15 Music
16.00 Music (Sund.)

All times are indicated in G.M.T.

16.05	News, Commentary (Weekd.)	19.00	Music (Weekd.)
		20.00	Topical (Weekd.)
17.30	For Troops (Weekd.)	20.30	Topical (Sund.)
17.30	Religious Service (Sun.)	21.00	News
		21.15	Music or Variety
18.00	News. Press Review	21.50	News (Weekd.)
18.30	Non-stop Music (Sund.)	22.00	News (Sun.)

Antwerp. Monday, Wednesday, Friday: 9.00-14.00
Tuesday, Thursday, Saturday: 16.30-22.00
Sunday 16.00-22.00

Ghent. Sunday, Tuesday, Thursday, Saturday: 9.00-12.00, 14.00-16.00
Monday, Wednesday, Friday: 16.00-21.15

Hasselt Sunday 9.00-11.30, 18.00-21.15
Tuesday, Thursday, Friday 09.00-11.00, 18.00-21.15
Monday, Wednesday, Saturday: 13.00-18.00

Courtrai. Monday, Wednesday, Saturday: 9.00-11.00, 18.00-21.15
Sunday, Tuesday, Thursday, Friday: 13.00-18.00

Brussels III 9.00-11.00, 14.00-16.00. Relays from regional stations

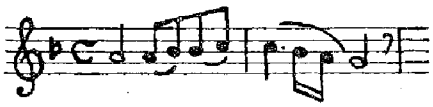
FM 19.00-20.30 on 101.1 mgc on Tuesdays, Fridays and Saturdays.

Highlights of Programmes: *Symphonic Concert:* Friday at 19.30. — *Chamber Music or Choir:* Monday at 19.00. *Bel Canto:* Sunday at 13.00. — *Popular Week-End:* Saturday at 19.20.

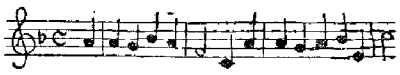
Daily Programmes on shortwave from *Ruyselede:* Programmes and information to be monitored for use on shortwave by OTC and OTM.
On 13.98 m from 13.00-14.30.
On 16.85 m from 16.00-17.00 and from 21.00-22.00

Announcement in French: "Ici Radiodiffusion Nationale Belge". In Flemish: "Belgische Nationale Radio-Omroep". — For Ruyselede: "Allo Leopoldville — Ici Bruxelles Service Mondial del". I. N. R.".

Interval-Signal for Brussels I: Extract from Grétry's famous melody "Où peut-on être mieux".



For Brussels II: The first movement of "Belaardlied" (Extract of Rubens' cantata by Peter Benoit).



Message to Listeners: Reports are answered by letter.

BULGARIA

Population: 6.800.000. **Listeners:** 205.000.

Address: Direction de la Radiodiffusion Sofia, Bulgaria.
Radiopublication: "Radio Pregled".

Leading Personalities: Director of Bulgarian Broadcasting: Mr. Carlo Lukanov. Director of Programmes: Mr. Tchudomir Petrov. Technical Director: Mr. Gantcho Pushkarov. Chief of Programme and Liaison Dpts.: Mr. Milko Angelov. Chief of Musical Dpt.: Mr. Naydem Naydenov.

Stations:

Sofia II	767 kc/s	391.0 m	15 kW
Sofia I	850 kc/s	352.9 m	100 kW
Varna	1276 kc/s	235.1 m	2 kW
Stara Zagora	1402 kc/s	214.0 m	2 kW
Sofia III	7670 kc/s	39.11 m	5 kW

New frequencies after March 1950.

Sofia II	593 kc/s	507 m	60 kW
Sofia I	827 kc/s	362 m	100 kW
Varna	1124 kc/s	267 m	5 kW
Stara Zagora	1223 kc/s	245 m	20 kW
Intern. common frequency	1594 kc/s	191 m	2 kW

Daily Programmes in Bulgarian: Sofia I, Sofia II and Sofia III.
On 352.9 m. *Weekdays:* from 03.55-08.00, 09.55-14.00, 15.25—21.00.
Sundays: from 04.25—08.30, 09.55—14.00, 14.55—21.00.
On 391 m. *Weekdays:* from 14.55—21.00.
Sundays: from 08.30—10.00, 14.00—21.00.
On 39.11 m. from 16.30—17.45, 18.20—22.00.

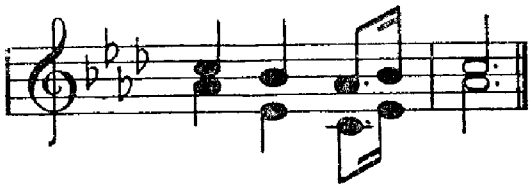
03.55	Progr. Preview	12.50	Talk (Wedn. Reports from the Soviet Union; Fri. Review of the Foreign Press)
04.00	News		
04.30	Folk Songs		
05.00	Press Survey		
06.00	Music	13.00	Request Concert
07.00	From Today's Papers	15.25	Progr. Preview
07.10	Symphony	15.40	Music
07.50	Chronicle	16.00	News Music
10.00	Press Survey	18.30	News
10.15	Music	20.30	News
11.30	News	20.45	Tomorrow's Programmes
12.00	Music		

Highlights of Programmes from Sofia I:
Opera from the National Theatre: Wednesdays 17.00 and 19.00.
Concert for the youth: Saturdays 17.00.
Theatre: Thursdays 19.30.
Concert by the State Radio Choir: Tuesdays 19.10 and Fridays 18.00.
Bulgarian Classical Music: Fridays 19.00.
Radio Quartet Avramov: Tuesdays 20.10.
Concert of Slav Music: Fridays 20.00.
Folk Songs: Fridays 17.30 and Saturdays 20.10.
Current Events: Tuesdays 20.00.

Every day Radio Sofia Broadcast the News from Bulgaria in foreign languages as follows:
Albanian from 11.45-12.00, 39.11 m
Bulgarian from 19.40-20.00, 39.11 m
Czech from 18.20-18.30, 20.30-20.45, 39.11 m
English from 19.30-19.40, 21.30-21.45, 39.11 m
Esperanto from 18.45-19.00, 39.11 m
French from 19.20-19.30, 21.15-21.30, 39.11 m
German from 19.10-19.20, 21.00-21.15, 39.11 m
Greek from 11.15-11.30, 39.11 m
Hungarian from 18.30-18.45, 39.11 m
Italian from 19.00-19.10, 20.45-21.00, 39.11 m
Macedonian from 21.00-21.15, 352.9 m
Polish from 18.10-18.20, 20.15-20.30, 39.11 m
Rumanian from 11.30-11.45, 39.11 m
Russian from 18.00-18.10, 20.00-20.15, 39.11 m
Serbo-Croat from 19.45-21.00, 21.00-21.15, 391 m
Turkish from 11.00-11.15, 39.11 m

Announcement: *Opening:* A Bulgarian march and "Govori Sofia, Govori Sofia." In *French:* "C'est Sofia qui parle." In *English:* "This is Radio Sofia calling in the Anglo-American Service of the Bulgarian Broadcasting System."

Interval-Signal: The first notes of a popular song.



Message to Listeners: "We request all listeners to send us reports on the reception of our transmissions. We would appreciate greatly comments, suggestions and criticism. Your reports will be duly acknowledged with a short message in our broadcasts, our QSL card and a letter."

CZECHOSLOVAKIA

Population: 12.164.661. — **Listeners:** 2.180.018.

Address: Czechoslovensky rozhlas, Stalinova 12, Praha XII.

Leading Personalities: Director General: Mr. Kazimír Stahl. Director of Administration: Dr. Vojtech Strnad. Director of Programmes: Dr. Mirko Očadlik. Technical Director: Ing. Ladislav Janík.

Stations:

Prague	155 kc/s	1935 m	10 kW
Banská Bystrica	392 kc/s	765.3 m	25 kW
Plzen	514 kc/s	583.7 m	15 kW
Liberec	588 kc/s	510,2 m	0.2 kW
Prague I (Liblice)	638 kc/s	470.2 m	120 kW
Komarov	922 kc/s	325,4 m	20 kW
Brno I (Morava)	922 kc/s	325.4 m	100 kW
Bratislava	1004 kc/s	298.8 m	50 kW
Brno II mesto	1063 kc/s	282.2 m	1,5 kW
Prague II (Melnik)	1113 kc/s	269.5 m	60 kW
Ostrava	1158 kc/s	259.1 m	11 kW
Tatry	1172 kc/s	256 m	2 kW
Kosice (Presov)	1204 kc/s	249.2 m	100 kW
Jihlava	1348 kc/s	222.6 m	5 kW
Ceske Budejovice	1366 kc/s	219,6 m	5 kW
Usti nad Laben	1447.5 kc/s	247.5 m	0,1 kW
Kocise-mesto	1455 kc/s	206,2 m	2 kW

New wacelengths in use after March 1950

Ceskoslovensko	272 kc/s	1103 m	120 kW
Prague I	638 kc/s	470 m	120 kW
Bánská Bystrica	701 kc/s	428 m	100 kW
Morava	953 kc/s	314 m	100 kW
Bratislava	1097 kc/s	274 m	100 kW
Prague II	1232 kc/s	243 m	100 kW
Kosice	1286 kc/s	233 m	100 kW
Jihlava	1520 kc/s	197 m	5 kW
Intern. Common	1484 kc/s	202 m	2 kW
frequency	1594 kc/s	190 m	2 kW

Shortwave Stations: 30 kW.

OLR 2A	6010 kc/s	49.92 m
OLR 2B	6030 kc/s	49.75 m
OLR 2C	6115 kc/s	49.06 m
OLR 2D	6170 kc/s	48.62 m
OLR 3B	9504 kc/s	31.57 m
OLR 3A	9550 kc/s	31.41 m
OLR 3C	9670 kc/s	31.02 m
OLR 4B	11760 kc/s	25.51 m
OLR 4A	11840 kc/s	25.34 m
OLR 4C	11875 kc/s	25.26 m
OLR 4B	11900 kc/s	25.21 m
OLR 5C	15160 kc/s	19.79 m
OLR 5A	15230 kc/s	19.70 m
OLR 5B	15320 kc/s	19.58 m
OLR 6A	17830 kc/s	16.83 m
OLR 7A	21450 kc/s	13.99 m
OLR 7B	21565 kc/s	13.91 m
OLR 7C	21640 kc/s	13.86 m

to be increased to 100 kW

Daily Programmes from Prague I:
On Medium-Wave:
Weekdays: 04.00-07.25, 08.40-13.20 and 14.30-23.10
Saturdays: 04.00 07.25 and 08.40-23.10
Sundays: 05.00-23.10

On Long-Wave:
Weekdays: 04.00-07.25 and 15.30-16.25.
Sundays: 05.00-16.25.

Weekdays:	*Sundays:*
04.00 Music, News	05.00 Music
04.20 Light Music from Poland	05.55 Prog. Preview, Music
05.00 Home Press Review	06.45 News
05.20 Light Music	07.15 MEVRO Programme
06.00 Foreign News	08.00 For the Troops
06.15 Progr. Preview, Music	08.30 Music
11.30 News	09.00 MEVRO Programme
17.00 News	11.00 Light Progr.
19.00 News	12.00 News
21.50 Esperanto Observer (Mo., Wedn.)	12.20 MEVRO Programme
22.00 News and Classical Music	19.00 News
23.00 News	22.00 News and Classical Music
	23.00 News

Daily Programmes from Prague II:
Weekdays: 04.00-07.00, 09.00-14.30 and 15.30-22.30.
Saturdays: 04.00-07.00 and 09.00-22.10.
Sundays: 05.00-23.10.

Daily Programmes from Brno I
From 04.00-07.20, 08.40-13.00, 14.30-22.30. Sunday 05.00-23.10.

Daily Programmes from Ostrava
From 04.00-07.25, 08.40-13.15, 14.40-22.20,
Sunday: 05.00-23.10

Daily Programmes from Plzen
From 04.00-07.25, 08.40-13.15, 14.00-22.20. Sundays: 05.00-23.10

Daily Proprammes from Bratislava:
Weekdays: 04.00-07.25, 09.00-13.00, 14.45-22.15
Sundays: 05.00-22.15

Daily Programmes from Kosice:
Weekdays: 04.00-07.25, 09.00-13.10, 14.45-23.10
Sundays: 05.00-23.10

DAILY PROGRAMMES ON SHORT WAVES:

Broadcasts for Europe:

April-October.	*October-April.*
04.00-04.20 Press Review (Weekdays) on 6010 kc/s.	05.00-05.20 Press Review (Weekdays) on 6010 kc/s.
05.45-06.00 Press Review (Sundays) on 9550 kc/s.	09.00-09.15 Press Review (Sundays) on 11840 kc/s.
10.00-10.30 Home News on 11840 kc/s.	10.00-10.30 Home News (Weekdays) on 11840 kc/s.

News in Foreign Languages

On 11840 kc/s:	*On 11840 kc/s:*
11.30-11.45 Greek	11.30-11.45 Greek
On 9550 kc/s:	15.00 Serbian/Croatian
15.15 Greek	15.15 Esperanto
15.30 Serbian/Croatian	15.30 Russian
15.45 Esperanto	15.45 Bulgarian
16.00 Russian	16.00 Serbian/Croatian
16.15 Bulgarian	16.15 Polish
16.30 Serbian/Croatian	16.30 German (Austria)

All times are indicated in G.M.T.

16.45 Polish
17.00 German (Austria)
17.15 Hungarian
17.30 Rumanian
17.45 English
18.00 Russian

On 6010 kc/s:
18.15 Bulgarian
18.30 Spanish
18.45 Polish
19.00 German
19.15 French
19.30 Serbian/Croatian
19.45 English
20.00 Russian
20.15 Italian
20.30 Spanish
20.45 Scandinavian
21.00 Esperanto
21.15 French
21.30 Spanish
21.45 English
22.00-23.00 Night Concert

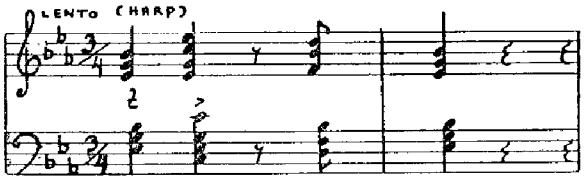
16.45 Hungarian
17.00 Rumanian
17.15 English
17.30 Russian
17.45 Bulgarian
18.00 Spanish

On 9550 kc/s
18.15 Polish
18.30 German
18.45 French
19.00 Serbian/Croatian
19.15 English
19.30 Russian
19.45 Italian
20.00 Spanish
20.15 Scandinavian
20.30 Esperanto
20.45 French
21.00 Spanish
21.15 English
22.00-23.00 Night Concert

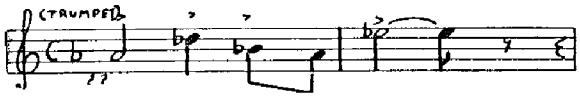
Broadcasts for America:
14.50-15.20 News (Weekdays) on 15320 kc/s 23.50-01.00 Daily Programmes in Czeck, Slovak, English on 9550 kc/s. 14.50-15.20 News on 15320 kc/s. 23.50-01.00 Daily Programmes in Czech, Slovak, English on 11840 kc/s.

Announcement: "Announcements are made in the language of the broadcast. In English on Shortwave: "Good evening everybody. This is the Voice of Czechoslovakia. Prague calling English speaking friends everywhere". At the middle of the broadcast: "This is Prague calling, you are listening to our fifteen minutes programme in English, which is broadcast every day at this time."

Interval-Signal: *Praha I:* The beginning of the symphonic poem "Vysehrad" by Smetana, played by harp.

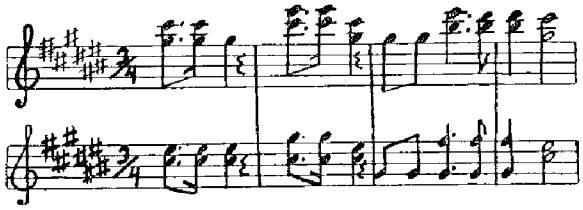


Praha II: Fanfare of the march. "The New Life" by Josef Suk, played on the trumpet.



Bratislava: Fanfare of a march (Pochod), by Jan Cikker, played on three trumpets.

Brno I: The beginning of the folk song: "Moravo, Moravo", played on a carillon.



Shortwave-stations: The same as Praha II

Message to listeners: "All letters sent to us from our listeners at home and abroad receive careful consideration and all reception reports are duly noted. Verification cards are sent to all whose reports have been found correct."

DENMARK

Population: 4.200.000. — **Listeners:** 1.177.608.

Radiopublications: Det nye Radioblad, Copenhagen, Editor Max Jørgensen.

Address: The Danish State Radio, Radiohuset, Rosenørnsalle 22, Copenhagen.

Leading Personalities: Director: Mr. F. E. Jensen, Chief of Administration: Mr. A. C. Nielsen, Chief of Music Department: Mr. Peder Gram, Chief of Talks Dept.: Mr. K. B. Andersen, Chief of Reportage Dept.: Mr. Aksel Dahlerup, Chief of Information Dept.: Mr. Paul Berg, Chief of News Dept.: Mr. N. Grunnet, Chief of Short Wave Dept.: Mr. Jens Rosenkjær, Entertainment Department: Mr. Jens Fr. Lawaetz.

Stations:

Kalundborg		240 kc/s	1250 m	60 kW
Copenhagen		1176 kc/s	255 m	**30 kW**
Herstedvester	OZF	9520 kc/s	31.51 m	50 kW
Herstedvester	OZH2	15165 kc/s	19.78 m	50 kW

FM-transmitters: 42 mgc/s 0,5 kW 93.1 mgc/s 1 kW

Televisionstransmitter:
Video 3.25 mgc/s 50 W sound 65 mgc/s 50 W Exper.

New medium-wavelenghts after March 1950.

Kalundborg 236 kc/s 1271 m — Denmark East 1061 kc/s 283 m — Denmark West 1430 kc/s 210 m — Copenhagen (local) 1430 kc/s 210 m — Internat. Common Wavelength 1593 kc/s 188 m.

DAILY PROGRAMMES ON LONG- AND MEDIUM-WAVES

Weekdays: 05.15-22.30. *Sundays:* 07.00-22.30 (From 17.45-22.30 also on 31.51 m).
On FM from 11.00-22.30.

05.15 News
05.50 Ship Positions
06.00 Exercise
06.35 Records
07.00 News, Music
07.30 Morning Service (Weekd.)
07.55 Weather
08.00 Exercise (Weekd.)
08.00 Music (Sund.)
09.00 Service (Sund.)
09.15 School Broadcast (Weekd.)
10.45 Weather
11.00 Poem
11.10 Music
11.30 News
13.00 Talk, Music
13.00 Service (Sund.)
14.00 Music
15.20 Children's Hour (Weekd.)
16.00 Talk, Music
16.20 Shipping News (Weekd.)
16.30 Bourse News (Weekd.)
17.00 Language (Weekd.)
17.40 Programme Preview
17.45 News
18.00 Topical
18.15 Various
21.00 News
21.15 Talk, Music

Highlights of Programmes:

Symphony-Concert: Thursdays from 4/9-15/4 at 19.00 exc. the last *Thursday* in every month.

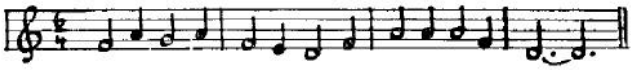
Popular Concerts: Sundays from 15.00-16.30 and from 19.00-20.00 September to April.

Plays: Every *Friday* until 21.00.

Topical Hour: Daily from 18.00-18.15 — recording from events of the day.

Announcement: "Danmarks Radio, København-Kalundborg (og Kortbølgesenderen)".

Interval-Signal: From an old Danish folksong



Daily at 11.00 and 19.00: The chimes of the Town Hall in Copenhagen.

DAILY PROGRAMMES ON SHORTWAVE I
(see page 2)

From 02.00-03.30 on 9520 kc/s
To Greenland and North America. Dail exc. Mond.

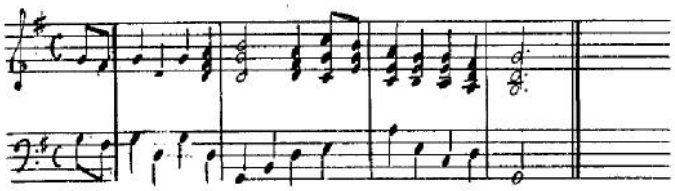
From 10.00-11.00 on 15165 kc/s
To the East: Tuesdays, Thursdays and Saturdays.

From 17.40-22.30 on 9520 kc/s
The Home Programme. For European Listeners.

From 00.00-01.00 on 15165 kc/s.
To South America: Tuesdays, Thursdays, Saturdays.

Programmes consist of News in Danish, Danish Music and Songs, Talks and Features about life in Denmark and Reportages. Every day is given a summary in English (to North America and East) and Spanish (to South America). Every transmission begins with the chimes of the Town Hall, followed by a wellknown Danish melody

Interval-Signal: The first movement of "Som en rejselysten Flaade" composed by Carl Nielsen.



Dr. Jens Rosenkjær. Chief of the Danish Shortwave Department.

Ib Wiedemann. Producer of the Shortwave Programmes for Danes abroad.

Announcement: Danmarks Kortbølgesender. — This is the Danish shortwave transmitter.

Message to Listeners: The Danish State Radio is very interested in receiving reports from listeners all over the world about programmes and reception conditions, and will to the greatest extent possible try to get in touch with countrymen and other interested listeners abroad in an endeavour to arrange the best possible shortwave-service. Reports answered by letter or QSL-card.

EIRE

Population 2.956.120. — **Listeners:** 261.321.

Radiopublications: Radio Review, 67 Graft, Dublin.

Leading Personalities: Director: Mr. Charles E. Kelly. Deputy Director: Mr. R. O. Farachain, M. A. Staff Administrative Officer: Mr. A. Mac Giolla Iosa. Music Director (acting): Mr. Fachtna O h-Annrachàin. General Features Officer: Mr. Francis Mac Manus. Productions Director: Mr. H. L. Morrow. Staff Engineer: Mr. C. O. Keeffe. Producer: Mr.Michael O. hAodha.

Stations:

Athlone	565 kc/s	531,0 m	100 kW
Cork	1240 kc/s	241,9 m	1 kW
Dublin	1348 kc/s	222,6 m	2 kW
Athlone	9595 kc/s	31.27 m	1,5 kW
Athlone	11740 kc/s	25.55 m	1,5 kW (inactive)
Athlone	15120 kc/s	19.84 m	1,5 kW (inactive)
Athlone	17840 kc/s	16.82 m	1,5 kW

New wavelengths in use after March 1950

Athlone I	566 kc/s	531.0 m	100 kW
Athlone II	1230 kc/s	240 m	50 kW
International	1484 kc/s	202 m	2 kW
common frequencies	1594 kc/s	190 m	2 kW

It is expected that a high power s. w. station will commence experimental transmissions during the winter on 9565 and/or 17840 kc/s.

Daily Programmes on medium waves:
13.00-14.30 and 17.30-23.00.

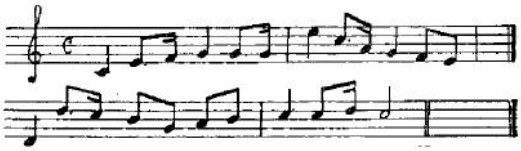
13.00 Music
13.30 News (Weekd.)
17.30 Children Programmes
18.30 News
20.00 Symphony Concert (Tuesday and Friday)
22.00 News

Highlights of Programmes.
Highmass: 10.30-11.20 Sundays.
Symphony: 20.00 Tuesday and Friday.

News on shortwave: 18.30—18.50 on 16.82 m. 22.10—22.30 on 31.27 m.

Announcement: "Radio Eireann". At closing down is played the National Anthem: "The Soldiers Song".

Interval-Signal: Opening bars of "O'Donnell Abu".



Message to Listeners: "Listeners letters on the quality of reception are always welcome, and we welcome the comments of listeners on the content of the programmes. Letters are answered by QSL card.

FINLAND

Population: 4.000.000. — **Listeners:** 647.500.

Address: OY Yleisradio Ab., Fabianinkatu 15, Helsinki. Cables: Yleisradio.

Leading Personalities: General Manager: Mr. Einar Sundström. Second Director: Mr. O. Toivonen. Director of Finnish Programmes: Mr. J. Koskiluoma. Director of Swedish Programmes: Mr. R. Ölander. Chief Engineer: Mr. J. Rissanen.

All times are indicated in G.M.T.

Denmark Eire Finland Jens Rosenkjaer Ib Wiedemann

Stations: *Long- and mediumwave.*

Helsinki I (Helsingfors)	1420 kc/s	211 m	10 kW
Joensuu	310 kc/s	968 m	1 kW
Hanko (Hangö)	1492 kc/s	201 m	0,2 kW
Karjaa (Karis)	1522 kc/s	197 m	0,2 kW
Kuopio	527 kc/s	569 m	20 kW
Lahti	160 kc/s	1875 m	150 kW
Oulu (Uleåborg)	433 kc/s	693 m	10 kW
Pietarsaari (Jakobstad)	1500 kc/s	200 m	1 kW
Pori I (Björneborg)	1429 kc/s	210 m	1 kW
Tammisaari (Ekenäs)	1500 kc/s	200 m	0,2 kW
Tampere (Tammerfors)	1492 kc/s	201 m	1 kW
Turku I (Åbo)	895 kc/s	335 m	40 kW
Turku II	1348 kc/s	223 m	0,2 kW
Vaasa (Vasa)	1522 kc/s	197 m	10 kW

Shortwaves:

Helsinki II	6120 kc/s	49.02 m	10 kW	OIX 7
Pori II	9555 kc/s	31.40 m	15 kW	OIX 2
Pori III	15190 kc/s	19.75 m	100 kW	OIX 4
Helsinki III	17800 kc/s	16.85 m	15 kW	OIX 5

New Wavelengths in use after March 1950.
Lahti 254 kc/s (1181 m) - Helsinki 557 kc/s (538.6 m) - Kuopio 755 kc/s (397.4 m) - Turku (Åbo) 962 kc/s (311.9 m) - Rovaniemi 989 kc/s (303.3 m) - Vaasa (Vasa) 1241 kc/s (241.7 m). - Oulu 433 kc/s (693 m). The other stations: Common wavelengths 1484 kc/s (202.2 m) and 1594 kc/s (188.2 m).

DAILY PROGRAMMES FOR LAHTI

Weekdays: 04.30-06.20, 08.50-12.10, 15.00-21.00 (Saturdays 14.00-22.00)

Sundays: 05.45-21.00

Sundays:
05.45 Music
06.30 News in Finnish
06.40 News in Swedish
06.50 Swedish by Radio
07.05 Russian by Radio
08.00 Religious Service (Finnish)
09.40 Programme Preview (Finnish)
09.45 Music
10.30 News in Finnish
10.40 News in Swedish
10.50 Programme Preview (Swedish)
11.00 Religious Service (Swedish)
12.25 Book of the week
12.35 Music and Various
16.00 Records
17.00 News in Finnish
17.15 News in Swedish
17.30 Music and Various
20.00 News in Finnish
20.10 News in Swedish
20.20 Music and Various

Weekdays:
04.30 News in Finnish
04.45 News in Swedish
04.55 Records
05.30 Morning prayer (Swedish)
05.45 Morning prayer (Finnish)
06.00 News in Finnish
06.10 News in Swedish
08.50 Prgr. Preview, Records
10.00 The Bell of Abo Cathedral
10.15 Newspaper Review
10.30 News in Finnish
10.40 News in Swedish
10.50 Rates and Securities
11.10 Program for Homes
15.00 Records and Various
16.50 Today . . .
17.00 News in Finnish
17.15 News in Swedish
17.30 Music and Various
20.00 News in Finnish
20.10 News in Swedish
20.20 Music and Various

Highlights of Programmes: The principal concerts of the Radio Orchestra are on *Sundays, Tuesdays* and *Thursdays,* the times varying between 18.25 and 20.00. On *Fridays* at 18.05 or 19.00 we broadcast a part of the symphony concert of the Helsinki Town Orchestra and on *Sundays* at 12.35-13.35 a popular concert of the same orchestra. These concerts take place from the beginning of September till the end of May.

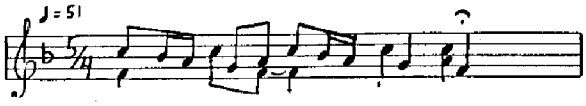
DAILY PROGRAMMES ON SHORT-WAVE

00.25-00.35 News and Press Review *English* on 16.85 m
To S. America and South-West Europe.
03.00-04.20 Program in *Finnish* on 19.75 m.
To USA.
04.20-05.00 Program in *Swedish* on 19.75 m. On Mondays in Finnish.
To USA.
04.30-06.00 Program in *Finnish* on 31.40, 16.85, and 49.02 m.
To S. America and South-West Europe.
08.50-12.00 Program in *Finnish* on 16.85 and 49.02 m.
To S. America and South-West Europe.
12.00-12.15 Program in *Finnish* on 31.40 and 19.75 m.
On Thursdays in *Swedish.*
To USA, S. America and South-West Europe.
12.15-12.25 News and Press Review *English* on 31.40, 19.75, 16.85 and 49.02 m. On Weekdays only.
To USA, S. America and South-West Europe.
12.25-13.00 Program in *Finnish* on 31.40 and 19.75 m.
To USA, S. America and South-West Europe.
15.00-16.45 Program in *Finnish* on 16.85 and 49.02 m.
To S. America and South-West Europe.
16.45-17.45 Program in *Finnish* on 19.75, 16.85 and 49.02 m.
To USA, S. America and South-West Europe.
17.45-17.55 News and Press Review *French* on 16.85 m.
To S. America and South-West Europe.
17.55-21.00 Program in *Finnish* on 16.85 and 49.02 m.
To S. America and South-West Europe.
21.00-22.00 Program in *Finnish* on 19.75 m.
To USA.
22.00-22.15 News and Press Review *French* on 16.85 and 49.02 m.
To S. America and South-West Europe.

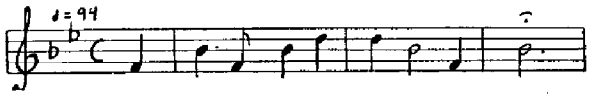
Announcements: *Finnish Programme:* "Suomen Yleisradio" followed by programme announcement over all stations. *Finnish and Swedish Programme:* "Suomen Yleisradio, Finlands Rundradio" over Helsinki, Åbo, Vasa and Jakobstad.

INTERVAL-SIGNALS

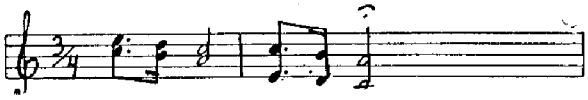
Every weekday at 08.45: Normal-a.
Lahti: A fragment of the song "Tavastland" by Palmroth before transmission from the Lahti Studio.
Lahti and Helsinki: The interval signal is based on an old Finnish Melody "Kantelemelody".



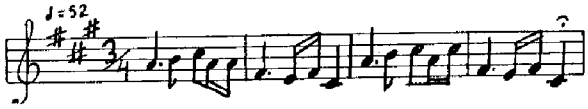
Åbo: A fragment of the anthem of St. Henriks.
Vasa: The first notes of "Vasa March" by Karl Collan.



Kuopio: The first notes of a well-known song about the beauty of "Kallavesi".



Uleåborg: Lapp yodelling.



Message to Listeners: "The Finnish Broadcasting Corporation is interested in hearing from listeners all over the world and reception reports from listeners will be much appreciated and answered by QSL-card."

All times are indicated in G.M.T.

FRANCE

Population: 41.000.000. — **Listeners:** 6.249.995.

Radiopublications: *Weekly:* La Semaine Radiophonique, 25 rue Louis le Grand, Paris. — Le Haut Parleur, 25 rue Louis, le Grand, Paris. — Radio 49, 26 Rue Baujou, Paris. Mon. Programme, 25 Rue Louis le Grand, Paris. *Monthly:* T. S. F. Pour Tous, 40 rue de Seine, Paris. — Music et Radio, 39 rue du General Foy, Paris. — Long de Electric, Etienne Chiron, 40 rue de Seine, Paris. — La Television Francais, 21 rue de Jeûneurs, Paris. — Radio Revue, 5 Rue Lamartine, Paris. — Radio Professionelle, 18 Bis Villa Herrand, Paris.

Adresses: *des Services Centraux:* Radiodiffusion Française — Secrétariat d'État a la Présidence du Conseil 107, rue de Grenelle — PARIS (7ème).

des Services Régionaux: Direction régionale de la Radiodiffusion Française: 36, Bd. de la Liberté, LILLE — 2, Cours Tournon, BORDEAUX — 6, Bd. Victor Hugo, LIMOGES — 20, Quai Gailleton, LYON — 34, rue Croix de Regnier, MARSEILLE — 60, Av. Marechal Foch, NANCY — Palais du Commerce, RENNES — Villa Greiner, 2 Avenue de la Marseillaise, STRASBOURG — 78bis, Allées Jean Jaurès, TOULOUSE — 10 rue Hoche, ALGER — BRAZZAVILLE — 2, rue d'Alger, TUNIS.

Leading Personalities:

The Central Service: President: Mr. P. Rivet. Director General: Mr. W Porche. Director of "Services Generaux": Mr. Tardas. Technical Director: Mr. Leschi. Director of Programmes: Mr. P. Gilson. Director of News and "Journal Parlé": Mr. Gayman. Director of International Programme-Exchange: Mr. J. Manachem. Director of Reportages and Transmissions Mr. Luc. Director of the European and Overseas Service: Mr. Rollin. Director of the National Programme: Mr. H. Barraud. Director of the Parisienne Programme: Mr. Arno Charles Brun, Director of Paris Inter: Mr. Brechignac. Chief of "Club d'Essai": Mr. Tardieu.

The Regional Service:

Regional Directors: Lille: Mr. Pons. Bordeaux: Mr. Dieuaide. Limoges: Mr. Sudrie. Lyon: Mr. Wadin. Marseille: Mr. Besse. Nancy: Mr. Villatte. Rennes: Mr. Favennec. Strasbourg: Mr. Caussidery. Toulouse: Mr. Beral. Alger: Mr. Gayraud. Brazzaville: p. i.: M. Bazire. Tunis: M. Boissiere.

STATIONS:

National Network ("Réseau Branly").

Strasbourg Brumath O. L.	182 kc/s	1648 m	20 kW
Annemasse	602 kc/s	498,5 m	1 kW
Paris-Villebon	695 kc/s	431,7 m	100 kW
Quimper-Quimerch	836 kc/s	359 m	10 kW
Bordeaux I, Neac	1077 kc/s	278.6 m	100 kW
Limoges II, Nieul	1339 kc/s	224 m	20 kW
Lyon II, Dardilly	1339 kc/s	224 m	25 kW
Marseille II, Realtort	1339 kc/s	224 m	25 kW
Nancy II	1339 kc/s	224 m	10 kW
Toulouse II, Muret	1339 kc/s	224 m	20 kW
Montelimar	1348 kc/s	222,6 m	1 kW
Poitiers	1348 kc/s	222,6 m	1 kW
Nantes-Montbert	1366 kc/s	219 m	10 kW
Dijon II	1393 kc/s	215,4 m	20 kW
Grenoble I	1393 kc/s	215,4 m	15 kW
Lille II, Camphin	1393 kc/s	215,4 m	20 kW
Montpellier I	1393 kc/s	215,4 m	10 kW
Nice II, Plateaux Fleuris	1393 kc/s	215.4 m	26 kW
Rennes II, Thourie	1393 kc/s	215,4 m	24 kW
Clermont II, Ennezat	1429 kc/s	209 m	1 kW
Saint-Brieuc	1429 kc/s	209 m	0,05 kW

Parisienne Network ("Réseau Ferrié")

Limoges I, Nieul	648 kc/s	463 m	100 kW
Nancy I	731 kc/s	410,4 m	20 kW
Marseille I, Realtort	749 kc/s	400,5 m	20 kW
Paris II, Romainville	776 kc/s	386,6 m	10 kW
Grenoble II	832 kc/s	360,5 m	0,05 kW
Monpellier I	832 kc/s	360,5 m	0,2 kW
Besançon	832 kc/s	360,5 m	0,050 kW
Strasbourg I, Brumath	859 kc/s	349,2 m	20 kW
Lyon-Tramoyes	895 kc/s	335,2 m	100 kW
Toulouse	913 kc/s	328,6 m	100 kW
Pau-Billière	968 kc/s	309,9 m	20 kW
Rennes I, Thourie	1040 kc/s	289,6 m	100 kW
Montbéliard	1068 kc/s	280,9 m	10 kW
Nimes	1068 kc/s	280,9 m	2 kW
Bordeaux II, Neac	1158 kc/s	259,1 m	20 kW
Dijon I	1158 kc/s	259,1 m	0,23 kW
Nice I, La Brague	1185 kc/s	253,1 m	60 kW
Lille I, Camphin	1213 kc/s	247,3 m	100 kW
Clermont I, Ennezat	1321 kc/s	227,1 m	20 kW
Perpignan	1429 kc/s	209 m	1 kW
Rouen Louvetot	1456 kc/s	206 m	20 kW

Paris Inter:

Paris 3 Rueil	592 kc/s	506 m	2,5 kW

La Radio Educative:

Paris 4 Grenelle	1429 kc/s	209 m	2 kW

Shortwave-Stations:

Allouis (Y and Z) 100 kW

21740 kc/s	13.79 m	9620 kc/s	31.19 m
17850 kc/s	16.81 m	9560 kc/s	31.38 m
17765 kc/s	16.88 m	9550 kc/s	31.41 m
15350 kc/s	19.54 m	7240 kc/s	41.44 m
15295 kc/s	19.61 m	6090 kc/s	49.26 m
15240 kc/s	19.68 m	*Allouis W I* 100 kW	
15100 kc/s	19.87 m	6200 kc/s	48.39 m
11885 kc/s	25.24 m	7280 kc/s	41.21 m
11845 kc/s	25.32 m	*Allouis W II* 8 kW	
11700 kc/s	25.64 m	6200 kc/s	48.39 m
9680 kc/s	30.99 m		

HOME PROGRAMMES

THE NATIONAL NETWORK

Weekdays: 06.00-09.15. — *Mo., Thursd., Sat.:* 11.00-23.00. — *Tuesd., Wedn., Fri.:* 11.00-13.30, 17.30-23.00.

Weekdays:
06.00 News
06.20 Exercise
06.35 Concert
08.00 News
08.15 "Heure de la culture française"
11.00 Music
11.30 Concert
12.00 News, Concert
13.00 News, Bourse
17.30 "Ici New York" (Relay la Voix de l'Amérique)
18.30 News
19.00 Concert
19.30 "Tribune de Paris"
22.45 News

Sundays:
07.00 News
07.20 Exercise
07.30 Protestant Sce.
08.00 News
09.00 Religious Sce. (Catholic)
10.00 Music
11.00 Variety
12.00 News
12.15 From a Theatre
14.30 Opera or Operette
16.45 From a Concert-Hall: Symphony Concerts arranged by different symphonic societies.
18.30 News
19.00 "La Tour du monde autor d'une table"
20.00 "Variétés littéraires"
21.30 Chamber Music
22.45 News

Highlights of Programmes:

Concert by the National Orchestra: Thursdays 19.50
Concert by the National- or the Symphony-Orchestra: Mondays 19.50
Theatre: Thursdays 20.25, Saturdays 20.00
Chamber-Music: Wednesdays 20.00.

THE PARISIENNE NETWORK

Weekdays: (exc. Sat.) 05.30-07.45, 11.00-13.00 (Thursd. 13.30), 17.45-22.15. — *Saturdays:* 05.30-07.45, 11.00-23.00. — *Sundays:* 06.30-22.15.

Weekdays:
05.30 News
05.45 Light Music

All times are indicated in G.M.T.

06.20 Exercise
07.00 News
07.15 Exercise
07.30 For Women
11.00 Variety
11.30 "Actualités de Paris"
12.00 Light Music
18.00 "Ainsi va le monde"
18.30 "Paris vous parle"
20.40 Tribune de Paris
Sundays:
08.20 Request Concert
09.00 Talk about Tourisme
09.30 Variety
11.30 "Actualités de Paris"
11.55 "Les chansonniers"
12.55 Songs
13.15 Variety
14.30 Sport and Music
17.00 Variety
17.30 "Ici New York" Relay: La Voix de l'Amerique)
18.00 Sport, Variety
18.30 "Paris vous parle"
19.30 Variety

Highlights of Programmes:
Theatre: Mo. 19.45, Thursd. 19.50. — *Variety:* Tuesd. 19.30. Wedn. 19.30, Sat. 19.30. — *Dance Music:* Sat. 20.30 — *Concert:* Wedn. 19.30.

PARIS INTER
Weekdays: 06.00-23.15, *Sundays:* 06.30-23.15
On 6200 kc/s: Weekd. (exc. Sat., Sun.) from 10.15-13.30, 19.00-21.00 *Sat.* and *Sun.* from 06.00-23.15

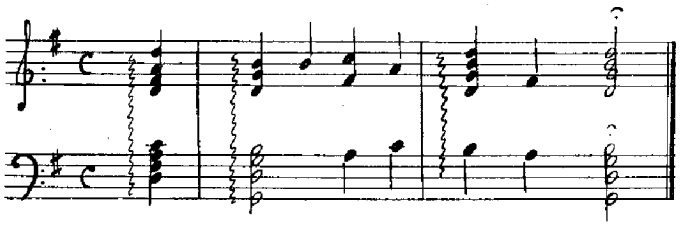
RADIO EDUCATIVE
Daily on the National Network from 08.15-09.15: "L'Heure de la Culture Française. — *Sat.:* "Programme prepared by "Université Radiophonique Internationale".

Sundays: 08.00-11.00: Repetition of programmes and "Université Radiophonique Internationale".

Weekdays: From *Radio Sorbonne* on 209 m (Paris 4 Grenelle) at different hours.

REGIONAL BROADCASTS
Weekdays: 05.45-06.00, 06.30-06.55, 11.00-11.30, 17.45-18.00, 18.15-19.00, 19.20-19.30. *Fridays:* 19.30-21.30. *Sundays:* 07.30-07.40, 07.50-08.15, 13.15-14.30, 18.15-19.00.

Interval-Signal: Strasbourg:



ANNOUNCEMENTS:

The National and the Parisienne Networks: At opening and close down: "La Marseillaise" General announcement: "Ici Paris Radiodiffusion Française", programme national (or "parisien").

Paris Inter: "Ici Paris-Inter".

Bordeaux: "Ici Bordeaux Radiodiffusion Française".

Lille: The first movements of the melody "Petit Quinquin" followed by "Ici Radio-Lille — Radiodiffusion Française".

Limoges: "Ici Limoges — Radiodiffusion Française".

Lyon: The first movements of the melody "Boeufs" by P. Dupont followed by "Ici Lyon — Radiodiffusion Française".

Marseille: The first movements of the Provençal Suite by Darius Milhaud followed by: "Ici Marseille — Radiodiffusion Française".

Nancy: The first movements of "Marche Lorraine" followed by "Ici Radio Lorraine".

Rennes: The first movements of "Le clocher a jours" by Botrel followed by "Ici Radio Bretagne".

Strasbourg: The first movements of "Que notre Alsace est belle" followed by "Ici Strasbourg — Radiodiffusion Française".

Toulouse: The first movements of "Montagnards" by Roland followed by: "Ici Toulouse, Pyrénées — Radiodiffusion Française".

FOR ENGLISH LISTENERS FROM ROUEN-LOUVETOT
On 206 m from 19.00-22.15:
Daily: 19.00 Opening, 19.03 Music, 19.20 France day by day (News), 19.30 Music.
Folklore Music: Mo. 19.03. — *National Orchestra:* Mo., Tuesd. 19.30. — *Play:* Mo., Tuesd., Thursd., Sat. 21.15. — *Listen to the Starz:* Mo. 21.25, Tuesd., Thursd., Fri., Sat., Sun. 19.03. — *French Lesson:* Mo., Thursd. 21.45. — *Chamber Music:* Tuesd. 21.30. — *Opera Concert:* Fri. 21.30. — *French Music:* 21.30. — *Magazine:* Sat. 20.30, Sun. 19.30. — *The Accordeon Club:* Sun. 21.30. — *Programme Preview for the Week:* Sun. 20.00. — *Dance Music:* 21.45.
Wednesday's "Magazine" contains "The Letter Box", "The Diversity of Fate", "Round about Paris" and "The Anglo-French Quiz". — Listeners are reminded, that though only a few letters are answered by radio, all letters are answered by post. Requesta for pen-friends, music, French lessons scripts will be satisfied.

PROGRAMME FOR EUROPE AND OVERSEAS
EUROPEAN SERVICE
In German to Germany on 1648 m (Strasbourg):
05.30-05.45 Weekd.
06.30-06.45 Mo., Thursd., Sat.
06.30-07.00 Thursd., Wedn., Fri.
11.00-11.15 Weekd.
11.00-11.30 Sun. only
16.45-17.30 Weekd.
18.30-19.00 Sun. only

In German to Austria:
19.20-19.50 Tuesd. only — By cable

In Spanish to Latin America:
23.30-23.35 Daily on 9550 kc/s. To Latin America
19.45-20.15 Daily on 9560 kc/s. To Spain
21.30-22.30 Daily on 328.60 m (Toulouse). To Spain

In French:
00.15-00.30 Daily on 9550 kc/s. To Latin America
16.15-16.45 Mo., Wedn., Fri. by cable to Canada
17.00-17.30 Daily on 11.845 kc/s. To Danube — Balkan
19.00-19.30 Daily on 11.845 kc/s Middle East

In English to North America:
16.15-16.45 Mo., Wedn., Fri. pr. cable to Canada
23.45-00.00 Daily on 11700, 9550 kc/s. Relay by U.S.A.

In Finnish to Finland:
17.30-17.45 Daily on 9560 kc/s

In Greek to Greece:
11.30-11.45 Daily on 15240 kc/s (Relay by R. Athens)

In Dutch to Holland:
21.30-22.00 Daily on 247.30 m

In Hungarian to Hungary:
19.30-20.00 Daily on 7280 kc/s

In Italian to Italy:
14.15-14.20 Daily by cable (Relay by Radio Italienne (RAI))
16.30-17.00 Wedn. only pr. cable to Italy
18.30-18.45 Daily on 7280 kc/s (Relayed by Radio Italienne)

In Portuguese to Portugal:
20.00-20.30 Daily on 7280 kc/s

In Polish to Poland:
17.15-17.45 Weekd. on 247.30 m
19.00-19.30 Daily on 7280 kc/s

In Rumanian to Rumania:
18.00-18.30 Daily on 7280 kc/s

All times are indicated in G.M.T.

In Czech to Czechoslovakia:
17.30-18.00, 18.45-19.00 Daily on 7280 kc/s

In Yugoslavian to Yugoslavia
17.45-18.00 Daily on 9560 kc/s
18.00-18.30 Daily on 9560 kc/s

OVERSEAS SERVICE:
11.15-11.45 on 15100 kc/s to the Antilles, Guiana.
13.30-15.30 on 17850 kc/s to the Indochine.
16.15-17.15 on 15350 kc/s to the Madagascar, Reunion.
20.15-21.45 on 11845 kc/s, 15240 kc/s to A.O.F.*, A.E.F.*
23.00-23.30 on 11845 kc/s, 9560 kc/s to Indochine.
00.00-01.30 on 9560 kc/s to the Antilles, Guiana.
04.00-04.30 on 9620 kc/s to Madagascar, Reunion.
05.30-06.30 on 9550 kc/s to Tahiti.
06.45-07.45 on 17850 kc/s, 15240 kc/s to A.O.F.*, A.E.F.*
08.00-08.45 on 11845 kc/s to Nouvelle Caledonie.
Programmes consist of: News, Press Review, Talks, Music.
* AOF = French West Africa.
AEF = French Equatorial Africa.

Announcement: "Allo . . . (name of area) Paris vous parle".

Message to Listeners: Reports are answered by QSL-card.

GERMANY

Population: 66.000.000. — **Listeners:** 9.834.800.

Radiopublications:
American Zone: Radiowelt, München. Funkkurier, Stuttgart. Radio-Spiegel, Stuttgart. Funk-Illustrierte, Stuttgart. Funkwoche, Stuttgart. Gong, Nürnberg. Radio-Almanach, Frankfurt/Main. Radio-Revue, Berlin. Neuer Südfunk, Offenburg.
British Zone: Neue Funkwacht, Hamburg. Hör zu!, Hamburg. Westfunk, Köln.
French Zone: Funkwelt, Baden-Baden, Funk Woche, Saarbrücken.
U. S. S. R. Zone: Der Rundfunk, Berlin..

Stations:

Deutschlandsender	Russian Z.	191 kc/s	1571 m	100 kW
Berlin "Wolga"	Russian Z.	283 kc/s	1063 m	5 kW
Bremen	American Z.	527 kc/s	569 m	2,5 kW
Kaiserslautern	Südwestfunk	530 kc/s	566 m	2 kW
Potsdam	Russian Z.	564 kc/s	531 m	20 kW
Stuttgart	American Z.	574 kc/s	522 m	100 kW
Frankfurt	AFN	601 kc/s	499 m	10 kW
Berlin RIAS	American Z.	629 kc/s	477 m	20 kW
Berlin RIAS	American Z.	686 kc/s	437 m	100 kW
Berlin "Wolga"	Russian Z.	722 kc/s	415.5 m	120 kW
Munich	American Z.	740 kc/s	405 m	100 kW
Leipzig	Russian Z.	785 kc/s	382 m	120 kW
Baden-Baden	Südwestfunk	827 kc/s	362 m	1,5 kW
Freiburg	Südwestfunk	827 kc/s	362 m	18 kW
Sigmaringen	Südwestfunk	827 kc/s	362 m	5 kW
Berlin	Russian Z.	841 kc/s	356 m	100 kW
Hamburg/Køln	NWDR	904 kc/s	332 m	100 kW
Nuremberg	American Z.	950 kc/s	316 m	5 kW
Hof	American Z.	950 kc/s	316 m	0,5 kW
Koblenz	Südwestfunk	1031 kc/s	291 m	50 kW
Weimar	Russian Z.	1031 kc/s	291 m	20 kW
Erfurt	Russian Z.	1031 kc/s	291 m	20 kW
Berlin	BFN	1095 kc/s	274 m	5 kW
Elmshorn	BFN	1095 kc/s	274 m	20 kW
Hannover	BFN	1095 kc/s	274 m	20 kW
Langenberg	BFN	1095 kc/s	274 m	20 kW
Schwerin	Russian Z.	1231 kc/s	243 m	20 kW
Munich-Stuttg.	AFN	1249 kc/s	240 m	100 kW
Fritzlar	American Z.	1258 kc/s	238.4 m	5 kW
Saarbrücken	French Z.	1267 kc/s	237 m	20 kW
Halle	Russian Z.	1303 kc/s	230.2 m	16 kW
Hannover	NWDR	1330 kc/s	225 m	20 kW
Berlin	NWDR	1330 kc/s	225 m	20 kW
Flensburg	NWDR	1330 kc/s	225 m	2,5 kW
Osnabrück	NWDR	1330 kc/s	225 m	5 kW
Herford	BFN	1366 kc/s	219 m	20 kW
Kassel	American Z.	1402 kc/s	213.9 m	5 kW
Bayreuth	AFN	1411 kc/s	213 m	10 kW
Berlin	AFN	1420 kc/s	211 m	1 kW
Bremen	AFN	1429 kc/s	209 m	0.35 kW
Frankfurt	American Z.	1438 kc/s	208.6 m	100 kW
Dresden	Russian Z.	1465 kc/s	204.8 m	1,5 kW
Bremerhaven	AFN	1500 kc/s	200 m	0,25 kW
Heidelberg	AFN	1500 kc/s	200 m	0,35 kW
Nurnberg	AFN	1500 kc/s	200.0 m	0.35 kW
Munich	American Z.	6160 kc/s	48.70 m	1 kW
Stuttgart	American Z.	6180 kc/s	48.54 m	10 kW
Frankfurt	American Z.	6190 kc/s	48.47 m	0,7 kW
Baden-Baden	Südwestfunk	6321 kc/s	47.46 m	1 kW
Elmshorn	NWDR	7290 kc/s	41.15 m	25 kW
Berlin "Wolga"	Russian Z.	7615 kc/s	39.40 m	100 kW
Leipzig	Russian Z.	9730 kc/s	30.83 m	12 kW

Frankfurt FM 94.1 mgc — Munich FM 90.1 mgc — Stuttgart FM 89.1 mgc.

Relay-Stations:

Munich Relay USA.	American Z.	1195 kc/s	251 m	150 kW
Munich III Relay f. USA.	American Z.	6080 kc/s	49.34 m	85 kW[1]
Munich I Relay f. USA.	American Z.	6170 kc/s	48.62 m	85 kW[1]
Munich IV Relay f. USA.	American Z.	7250 kc/s	41.38 m	85 kW[1]
Munich II Relay f. USA.	American Z.	9540 kc/s	31.45 m	85 kW[1]
Munich V Relay USA.	American Z.	11870 kc/s	25.27 m	85 kW
Munich VI Relay USA.	American Z.	15280 kc/s	19.63 m	85 kW
Norden Relay f. BBC.	British Z.	657 kc/s	456 m	100 kW[2]

1) See U.S.A. 2) See Gr. Brt.

American Zone

Number of Listeners: 2.539.052.

AMERICAN FORCES NETWORK

Address: American Forces Network, Public Information Office, APO 757, U. S. Army, Frankfurt.

Leading Personalities: Chief: Lt. Col. Philip M. Johnson; Chief of Operations: Mr. Louis Adelman; Program Supervisor: Mr. Bruce Wendell; Technical Supervisor: Mr. Frank Ramirez: News Chief: Mr. Vincent Lambrose; Public Information Director: Sgt. Ferd. Stauch; AFN-Berlin Station Manager: CWO Charles S. Brown; AFN-Bremerhaven Station Manager: 1st Lt. William I. Loveridge; AFN-Munich and Stuttgart Manager: 1st Lt. Edward J. Tait.

Studio Stations:

Munich/Stuttgart	1249 kc/s	240.2 m	100 kW each
Frankfurt	601 kc/s	499.0 m	10 kW
Berlin	1420 kc/s	211.3 m	1 kW
Bremerhaven	1500 kc/s	200.0 m	0.35 kW

Repeater Stations:

Bayreuth	1411 kc/s	213.0 m	10 kW
Bremen	1429 kc/s	209.0 m	0.35 kW
Heidelberg	1500 kc/s	200.0 m	0.35 kW
Nurnberg	1500 kc/s	200.0 m	0.35 kW

Daily Programmes: 05.00-23.00.

05.00 Record Show	05.32 Record Show
05.30 News, World Headlines	06.10 Sport Roundup (s)
	06.15 News, World (s)

06.30 Fred Waring (ss)
07.00 Repeat Performance (s)
07.30 Music Shop (ss)
07.45 Hymns From Home (ss)
08.00 Musical Scrapbook (ss)
08.30 Bandstand (s)
08.45 G. I. Jive (s)
09.00 News, World Headlines
09.02 Merely Music (s)
10.00 Jack Berch (ss)
10.15 Music's No Mystery (ss)
10.45 At Ease (ss)
11.00 News, World and Sports
11.10 Record Show (s)
12.30 Chiquita (ss)
12.45 Remember (ss)
13.00 News, World Headlines (s)
13.02 Music
14.00 Hillbilly Gasthaus (s)
15.00 News, World Headlines (s)
15.02 Outpost Concert (ss)
15.55 Program Highlights (ss)
16.00 Record Show (s)
17.15 News, World and USA (s)
17.30 AFN Spotlight on Sports (s)
17.45 Vespers (s)
18.00 Music in the Air (s)
20.00 Report from Europe (s)
20.20 TI&E Guide Takes Ten (ss)
21.05 AFN Playhouse (ss)
21.55 News, World (ss)
22.00 Dance Remote
22.30 Record Show (ss)
22.58 News, World Headlines (s)
23.00 Sign Off

(s) means *Daily exc. Sundays*
(ss) means *Daily exc. Saturdays and Sundays*

We have been asked very often why programs most popular with the listeners are not heard on a regular basis. Programs such as Bob Hope, Jack Benny, etc., are broadcast in the US from October to April or May. The shows aired through the winter in the US are recorded and sent to us, but there is a lapse of several months between the original date of the program and the time it is heard on AFN.

Announcement for Frankfurt, Bremen, Berlin, Munich and Stuttgart: "This is the American Forces Network serving American Forces in Germany".

Interval-Signal: Time pips every hour on the hour. Broadcasting commences and concludes with the U. S. National Anthem.

Message to Listeners: Reports are welcome and are answered with QSL cards.

RADIO BREMEN

Address: Schwachhauser Heerstrasse 363, Bremen.

Leading Personalities: Intendant: Mr. Walter Geerdes. Head of Information: Dr. Hans Arnold.

Station: Bremen. 527 kc/s 569 m **2,5 kW**
After March 1950 same frequency.

Daily Programmes:
Weekdays: 05.30-08.35, 11.00-13.35 and 15.00-22.05.
Saturdays: 05.30-08.35, 11.00-22.05.
Sundays: 06.00-22.05.

Daily Programmes:
News: 06.00 (not. Sun.), 07.00, 08.00 (not. Sun.), 11.30, 16.45 (not. Sun.), 19.00, 22.00.
"Actuelles": Daily after news at 19.00 — Tuesd. and Fri. 20.50.
"Rundschau": Daily at 11.45 and 18.45.
Symphony Concert: 20.15 Wednesdays.
Radio Theatre: 20.15 Mondays.

Announcement: "Hier ist Radio Bremen".

Interval Signal: The notes b-d-e — (si-re-mi).

Signature Tune: "Wo die Nordseewellen".

Message to Listeners: Letters and reports from listeners are answered by letter. Return-postage not necessary.

RADIO FRANKFURT (HESSISCHER RUNDFUNK)

Population: 4.292.000. — **Listeners:** 652.230.

Address: Hessischer Rundfunk (Radio Frankfurt), Frankfurt am Main, Eschersheimer Landstrasse 10.

Leading Personalities: Chief of Radio-Council (Rundfunkrat): Dr. Kurt Magnus. — Chief of Administration-Council: Dr. Hans Bredow. — Managing Director (Intendant): Eberhard Beckmann. — Managing Vice-Director (stellv. Intendant) and Manager of Political Broadcasts, News: Otto Herr. — Chief of Administration: Hans Schmorl. — Chief of Station: Charlotte Kaminsky. — Listener's Research and Public Relations: Wolfhart Müller. — Dramatic, Critic: Dr. Hermann Goertz. — Light Programmes: Toni Hofbauer. - Music: Kurt Schröder. — Chief-Engineer: Dr. Franz Misere.

Miss Ursula Langrock, wellknown announcer of radio Frankfurt.

Mr. Hans Otto Grünefeldt. Chiefspeaker and Quizmaster (Quiz London-Frankfurt), announces world news.

Stations:

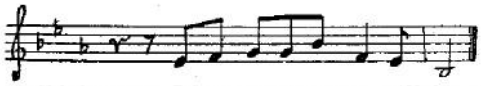
Frankfurt	1438 kHz	208.6 m	100 kW
Kassel	1402 kHz	213.9 m	0,5 kW
Fritzlar	1258 kHz	238.4 m	5 kW
Frankfurt	6190 kHz	48.47 m	0,7 kW

Frankfurt-Heiligenstock FM 94,1 MHz.

Daily Programmes: Monday to Friday from 04.30 (Sun. 05.00)-23.00 (Sat. 24.00). (In summer one hour earlier).
News: Sundays: 06.00, 11.45, 18.50, 21.00, 23.00. Weekdays: 04.30, 05.30, 07.00, 08.00, 11.45, 16.45, 18.45, 21.00, 23.00. —
Local Events: Sundays: 06.10, 11.35, 18.40, Weekdays: 05.00, 06.00, 11.35, 18.35. —
Commentary: Mo. — Fri. 21.10.
Theatre: Fri. 20.00 — *Symphony or Opera:* Wedn. 19.00.

Announcement: 05.00 and 23.00: "Hier ist der Hessische Rundfunk, Radio Frankfurt" — All other announcements: "Hier ist Radio Frankfurt".

Interval-Signal:
Motif from Humperdincks Opera "Königskinder" (Waldhorn)



Message to Listeners: Listener-reports will be answered by Q. S. L.-letters. New system of listeners' research by broadcast, every second Monday in the evening.

All times are indicated in G.M.T.

Germany Ursula Langrock Hans Otto Grünefeld Radio Frankfurt

RADIO MUNICH (Bayerischer Rundfunk)

Population: 9.366.314. — **Listeners:** 1.302.824.

Advertisements allowed.

Address: Bayerischer Rundfunk, Rundfunkplatz 1, Munich 2.

Leading Personalities: Intendant: Mr. Rudolf v. Scholtz. Program Director: Mr. Rudolf Schneider-Schelde. Chief Engineer: Mr. Friedrich Zackel. Chief of Administration: Mr. Alois Prücklmeier. Production and Traffic: Mr. Ludwig v. Türkheim. American Radio Officer: Mr. Edmund Schechter.

Stations:

Munich	740 kc/s	405.4 m	100 kW
Nuremberg	950 kc/s	315.8 m	5 kW
Hof	950 kc/s	315.8 m	0,5 kW
Munich	6160 kc/s	48.7 m	10 kW
Munich	90.1 Mhz.	3.3 m	0,25 kW

Daily Programmes: *Weekdays* (exc. Sat. and Sun.): 04.30-09.45 and 10.45-24.00

Saturdays and Sundays: 05.00-24.00. (In summer from 9/4-9/10 one hour earlier.)

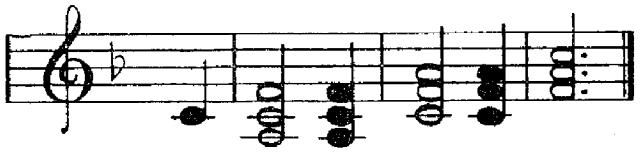
Weekdays:
05.00 News
06.00 Music and Features
06.45 Program Preview
08.00 News
11.00 Music
12.00 News, Music
13.00 Information (exc. Sat.)
16.00 News
16.15 Music
17.00 "Klingende Chronik" (Reportages and Music) (exc. Sat.)
18.00 The Voice of US.
18.45 News
21.00 News
23.00 Last News
23.05 Music

Sundays:
05.00 Music
06.00 News
05.45 Music
08.00 Music
07.55 News
08.00 Voices of Poets
09.00 Catholic Service
09.30 Protestant Service
10.00 Music
10.45 Youth Program
11.00 Church Bells
11.15 Music
12.00 News
12.15 Trade Union Calls
12.30 Music
14.00 Entertaining Program
15.30 Symphony Concert
18.00 The Voice of US.
18.30 Music
18.45 News
20.15 Entertaining Program
21.00 News
21.50 Music
23.00 News
23.05 Music

Highlights of Programmes:
Monday: Symphony-Concert 19.00
Wednesday: Op. or Oprt. 19.00
Thursday: "Sie wünschen . . .?" 19.45 hours
Friday: Symphony-Concert 21.10
Saturday: Cabaret 19.00

Announcement: "Hier ist der Bayerische Rundfunk mit den Sendern München und Nürnberg".

Interval-Signal: "So lang der alte Peter".



Message to Listeners: Reports are answered by QSL cards.

RADIO STUTTGART (Süddeutscher Rundfunk)

Number of Listeners: 601.137.

Address: Süddeutscher Rundfunk, Radio Stuttgart, 145 Neckarstrasse, Stuttgart, Germany.
Branch Studios in Heidelberg and Karlsruhe.

Leading Personalities: Intendant: Erich Rossmann. Program Director: Dr. Peter Kehm. Administrative Director: Friedrich Müller. Chief Studio Engineer: Rudolf Hartmann. Chief Transmitter Eng.: Dr. Helmut Rupp. Manager, Studio Heidelberg: Helmut Schäke. Manager, Studio Karlsruhe: Heinrich Wiedemann.

Stations:

Medium Wave	574 kc/s	522.6 m	100 kW
Short Wave:	6030 kc/s	49.75 m	10 kW
FM:	89,1 megac. for the Stuttgart area.		

Daily Programmes: *Weekdays* (exc. Wedn.): 05.00-14.00, 15.00-23.00.
Sundays, Wednesdays: 05.00-24.00.

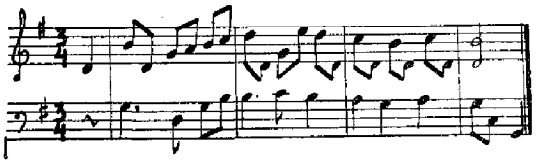
On Shortwave: *Mo., Wedn., Fri.:* 11.30-14.45 and 15.55-23.00.
Saturday: 11.30-24.00. *Sunday:* 06.00-24.00. (In summer one hour earlier.)

Weekdays:
05.00 Music, Progr. Preview
05.30 News
06.55 News
08.15 "Suchmeldungen"
08.45 News
10.00 Progr. Preview, next Week, dictation (Wedn.)
10.30 Music
11.00 Music
11.45 News, Commentary
12.00 "Echo aus Baden",
16.45 Südwestdeutsche Heimatpost
17.55 "Die Anschlagsäule"
18.00 The Voice of US
18.45 News, Commentary
20.45 News, Commentary
22.45 News

Sundays:
05.00 Music, Pr. Preview
07.30 "Aus der Welt des Glaubens"
07.45 Music
08.00 Catholic Service
10.30 "Das Meisterwerk"
11.00 Music
11.45 News
12.30 "Aus unserer Heimat"
14.30 Music
18.00 The Voice of US.
18.45 News
20.50 News, Music
22.45 News

Announcement: Daily broadcasts begin with interval signal and conclude with a theme from the First Symphony by Brahms. Announcement is: Hier Radio Stuttgart.

Interval-Signal: For Radio Stuttgart is the following Cembalo melody: "Jetzt gang i'ans Brünnele".



Message to Listeners: Reports from listeners are answered by letter. Return postage not necessary.

BERLIN RIAS

Address: Radio in the American Sector of Berlin, — Information Services Division, — HICOG, APO 742, — Berlin-Schöneberg, Kufsteiner Strasse 69.

Leading Personalities: Director: Mr. Fred. G. Taylor — Program Director: Dr. Ruth Gambke — Technical Director: Mr. Albert Pösniker — Chief Press Section: Mr. Walter Kolshorn.

Stations:

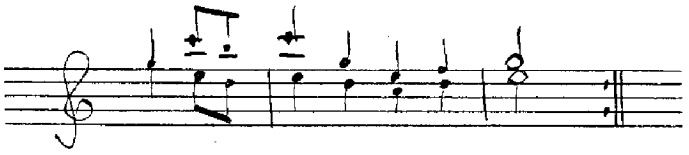
Berlin	437 m	686 kc/s	100 kW
	477 m	629 kc/s	20 kW

Daily Programmes: *Weekdays:* 04.30-07.00, 08.30-02.00.
Sundays: 04.30-02.00.
News: 04.30, 05.30, 06.30, 08.30 (not Sun.), 11.30, 15.30,

18.30 (Sun.), 17.15 (not Sund.), 18.30.
What's new: 04.40 (not. Sun.). — *The Voice of US:* 18.00. *Berlin in RIAS:* 18.45. — *Listeners' Request:* Mo. 19.15, Sat. 19.15. — *European Broadcast:* Sun. 18.45.
Opera or Operette Concert: Wedn. 20.00. — *Light Programme:* Sun. 19.15. — *Dance Music:* Sat. 22.00-01.30.

Announcement: "Hier ist RIAS Berlin".

Interval-Signal:



Message to Listeners: The own listener's post-office appreciates of all kind, takes care of them and replies if possible.

British Zone

Population: 25 millions. **Listeners:** 3.741.271.

BRITISH FORCES NETWORK IN GERMANY (B.F.N.)

Address: B. F. N., Broadcasting House, Hamburg 36. Germany (B. A. O. R.)

Leading Personalities: Station Director: Mr. A. E. Sutherland. Production Manager: Mr. Raymond Baxter. O. i. C. Progr. Section: Capt. N. A. Powley. Techn. Officer: F/Lt F. J. Pacey.

Stations: Hamburg, with following transmitters:

Herford	1366 kc/s	219 m	20 kW
Hannover	1095 kc/s	274 m	20 kW
Langenberg	1095 kc/s	274 m	20 kW
Berlin	1095 kc/s	274 m	5 kW
Pinneberg	1095 kc/s	274 m	20 kW

After March 1950 — All frequencies will be on 1149 kc/s (261.1 m). Transmitters remain same power except Herford which is reduced to 10 kW. Programme will then be BBC Light Programme with the exception of certain daylight hours if tests prove satisfactory. Tests take place 1st October—30th November 1949.

Daily Programmes in *English* on all frequencies:
Sundays: 06.00-23.03.
Weekdays: 05.30-23.03 (Saturd. 24.00).

Daily:
07.00 News (exc. Sund.)
08.00 News
09.30 Canteen Break (exc. Sund.)
12.00 News
12.30 Concert Hour (exc. Sund. and Sat.)
18.00 News
21.00 News
23.00 News Summary

Sundays:
08.15 Bob Boyle's Breakfast Club
10.15 BFN Sports Page
13.00 Family Favourites
14.30 Sunday Afternoon Concert
21.15 Poet's Corner

Mondays:
11.00 Round the Records
16.00 The 1700 Club
19.00 Bits and Pieces

Tuesdays:
16.00 The 1700 Club
17.30 Tango Fantasia
19.00 You Don't Have to Know the Language
21.15 Old Comrades

Wednesdays:
17.15 English Songbook
20.00 Wednesday Evening Concert

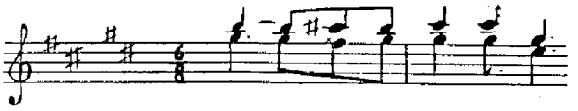
Thursdays:
16.00 The 1700 Club
19.30 Rhythm Almanac

Fridays:
21.15 For Men Only

Saturdays:
11.15 Round the Records
14.00-16.00 Sport
19.00 Week-End Concert
24.03 Changing my Tunes

Announcement: "This is the British Forces Network".

Interval-Signal:



Message to Listeners: "We are always interested to receive reports on reception, and comments or suggestions on programmes. Letters will be appreciated and answered."

NORDWESTDEUTSCHER RUNDFUNK

Address: Nordwestdeutscher Rundfunk — Rothenbaumchausse 132/134, Hamburg 13 — Dagobertstrasse 38, Köln. — Heidelberger Platz 3, Berlin-Wilmersdorf. — Bismarckstrasse 35, Hannover.

Leading Personalities: Director General: Dr. Adolf Grimme. Intendant-Hamburg: Mr. Willy Troester. Intendant-Köln: Mr. Hans Hartmann. Intendant-Berlin: Mr. Hans Erwin Haberfeld. Director of Engineering: Dr. W. Nestel. Director of Finance: Dr. G. Hubrich. British Liaison Officers: Mr. F. A. W. Grinyer, Mr. W. J. Chalk.

Stations:

Hamburg/Köln	904 kc/s	332 m	100 kW
Berlin	1330 kc/s	225.6 m	20 kW
Hannover	1330 kc/s	225.6 m	20 kW
Osnabrück	1330 kc/s	225.6 m	5 kW
Flensburg	1330 kc/s	225.6 m	2,5 kW
Shortwave	7290 kc/s	41.15 m	25 kW
FM Hamburg	89,6 mg/c	0,1 kW	(From 19,50)
FM Hannover	88,9 mg/c	0,1 kW	(From 19,50)

New wavelengths after March 1950: Hamburg and Langenberg 971 kc/s — North German syncr. wavelength 1484 kc/s — Intern. common wavelength 1484 kc/s — FM 89.6 and 88.9 mgc/s.

Daily Programmes: *Weekdays:* 04.00-10.00, 10.30-24.00. *Sundays:* 05.00-24.00.
In summer one hour earlier.

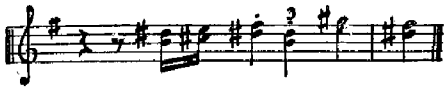
Weekdays:
04.00 Music
04.45 News, Music
05.45 News, Progr. Preview
06.00 Service
06.10 English by Radio
07.00 The Five Minutes Diary
07.45 News
09.00 Music
11.00 Music
11.45 News
12.00 Press Review
12.20 Music
12.50 "Suchdienst"
16.00 Music
18.00 "Echo des Tages"
18.45 News
20.45 News, Commentary
23.00 News
23.05 "Berlin am Mikrofon"

Sundays:
05.00 Music
05.45 News, Progr. Preview
06.00 Music
07.00 Organ. Music
07.45 News
08.00 Religious Service
09.00 "Meister Ihres Faches" (Music)
11.45 News, Progr. Preview
12.00 Music
12.50 "Suchdienst"
14.30 "Was Ihr wollt"
17.00 "Meisterwerke der Musik"
17.45 "Gedanken zur Zeit"
18.00 "Aus unserem westdeutschen Tagesbuch"
18.45 News, Program Prev.
20.45 News
23.00 News
23.05 "Berlin am Mikrofon"

Highlights of Programmes:
Sundays: 08.00 Religious Service, 17.00 "Meisterwerke der Musik". *Mondays:* 19.00 Symphony Concert. *Wednesd.:* 20.00 Dance Music. *Saturdays:* 15.00 "Bunter Nachmittag", 19.00 "Bunter Abend".

Announcement: "Nordwestdeutscher Rundfunk, Sender .. Hamburg, Köln, Berlin or Hannover".

Interval-Signal:
Motif from the first movement of Johs. Brahms' 4th Symphony, played from Hamburg on two oboes, Cologne on two horns, Berlin on two clarinets and Hannover on two trumpets.



Message to Listeners: Letters are answered mainly by letter by the respective department concerned. No postage to be enclosed.

French Zone

Number of Listeners: 623.750.

SÜDWESTFUNK

Address: Südwestfunk Zentrale Baden-Baden Hotel Kaiserin Elisabeth, Moltkestrasse 5, Baden-Baden.
Studio Freiburg-Sigmaringen, Freiburg Kaiser Josefstrasse 270.
Studio Kaiserlautern, Kaiserlautern, Kanalstrasse 4.
Studio Koblenz, Koblenz-Lützel.

Leading Personalities: General-Intendant: Mr. Friedrich Bischoff. Program-Director: Mr. Lothar Hartmann. Technical Director: Mr. Karl Becker. Director of Administration: Mrs. Margarethe Sachsenberg. Chief of Music: Dr. Heinrich Strobel. Chief of Literature: Mr. Herbert Bahlinger. Chief of Plays: Mr. Christian Böhme. Chief of Entertainment: Mr. Günter Bungert. Chief of Information Dept.: Mr. Th. W. Zwermann.

Stations:

Kaiserlautern	530 kc/s	566 m	2 kW
Freiburg	827 kc/s	362.6 m	18 kW
Sigmaringen	827.4 kc/s	362.6 m	5 kW
Baden-Baden	827 kc/s	362.2 m	1,5 kW
Koblenz	1031 kc/s	291.0 m	50 kW
Baden-Baden	6321 kc/s	47.46 m	1 kW

New wavelength after March 1950:
250.82 m 70 kW and 195,38

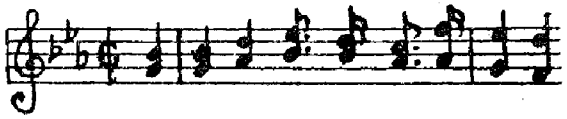
Daily Programmes:
Weekdays: 05.00-08.20. 10.00-14.00. 15.00-23.10 (Wedn. 24.00, Sat. 01.00). *Sundays:* 05.00-23.00.

05.00 News, Music	18.30 "Tribüne der Zeit"
07.30 News in French from Paris	21.00 News, Progr. Preview
11.20 Music	21.20 Progr. in French from Paris
12.45 Progr. from Paris	23.00 News
17.00 News from Germany (not Sun.)	

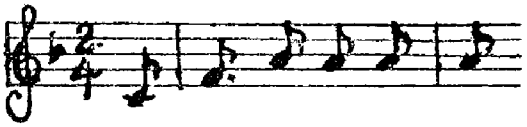
Highlights of Programmes:
Opera Music: 20.00 Mondays — *Symphony Concert:* 19.00 Sundays — *Play:* 19.45 Tuesdays — *Cabaret:* 22.00 Fridays and 19.00-21.00 Saturdays — *Dance Music:* 22.15-24.00 Wednesdays and 21.30-01.00 Saturdays.

Announcement: "Hier is der Südwestfunk mit seinen Mittelwellensendern Baden-Baden, Koblenz, Freiburg-Sigmaringen und Kaiserlautern". Regional programmes are announced: "Hier ist der Südwestfunk Studio Freiburg (Kaiserlautern or Koblenz)."

Interval-Signal: *Baden-Baden:* Motif from Mozarts "Zauberflöte". — "Bald prangt den Morgen zu verkünden." *Koblenz:* First notes from Rheinischen Volkslied: "Dort wo der Rhein".



Freiburg and *Sigmaringen:* "Glockenmotiv des Freiburger Münsters".
Kaiserlautern: First notes from the song: "Ein Jäger aus Kurpfalz".



Message to Listeners: Reports are answered by letter.

RADIO SAARBRÜCKEN

Advertisements allowed.

Address: Radio Saarbrücken, Nauwieserstrasse 75, Saarbrücken.

Leading Personalities: Director General: Mr. F. Bittmann. Program Manager: Mr. P. Segens. Technical Director: Mr. F. Glasow. Music Director: Mr R. Michel.

Station: Saarbrücken 1267 kc/s 236.8 m 20 kW

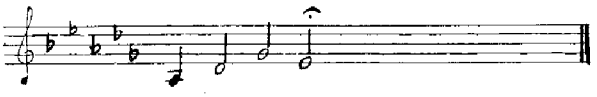
New wavelenght after March 1950:
Saarbrücken 1421 kc/s 211 m 20 kW

Daily Programmes:
Weekdays: 05.00-07.45, 10.30-13.15, 17.30-22.50.
Sundays: 05.00-08.15, 08.30-22.50.

Weekdays:	*Sundays:*
05.00 Music	05.00 Music
06.00 News, Progr. Preview	06.00 Progr. Preview
06.15 Music	06.15 Music
07.30 News	07.15 News, Music
11.00 Music, News, Music	09.00 Religious Service
12.00 News, Music	09.30 Music
13.00 Press Review	11.00 Music
17.30 Music	11.30 News, Music
19.00 News	15.30 Listeners' Request
21.00 News, Music	19.00 News
22.40 News	19.05 "Versuch Dein Glück"
	20.00 Music
	21.00 News, Dance Music
	22.40 News

Highlights of Programmes:
Light Programme: 12.00 Sundays
Dance Music: 21.15 Sundays.

Announcement: "Hier spricht Radio Saarbrücken auf Wellenlänge 236.8 m".



Message to Listeners: Reports are welcomed and answered by QSL-letters.

U. S. S. R. Zone

Listeners in USSR Zone: 2.800.000; in Berlin only 800.000 Chief of the Broadcasting Stations in USSR Zone is Generalintendant Mr. Mahle; whose address is: Generalintendanz der Rundfunksender in der Sowjetischen Besätzungszone, Mauerstrasse 42-52, Berlin W. 8.

BERLINER RUNDFUNK

Address: Masurenallee 8-14, Berlin-Charlottenburg 9.

Leading Personalities: Intendant: Mr. Heinz-Schmidt. Vice Intendant: Mr. Bruno Goldhammer. Vice Intendant (Deutslandsender): Hermann Zilles, Principal Editor (Berliner Rundfunk): Erich Böhm, Principal Editor (Deutslandsender): Leo Bauer, Programme Director (Berliner Rundfunk): Alfred Zahn, Programme Direc-

tor (Deutschlandsender): Dr. Karl Egel, Technical Director: Horst Heinz Schulze.

Stations:

Berliner Rundfunk.

Deutschlandsender	191 kc/s	1571 m	100 kW
Berlin I	841 kc/s	356.7 m	100 kW
Potsdam	564 kc/s	532.0 m	20 kW
Schwerin	1231 kc/s	243.7 m	20 kW

DAILY PROGRAMMES FOR BERLIN:

Weekdays: 04.00-09.15 and 11.00-24.00. Saturday 04.00-02.00. Sundays 05.00-24.00.

Weekdays:
04.00 News, Music
05.00 News
06.00 News
07.00 News, Press Review
07.50 "Suchdienst"
11.00 News, Music
12.00 News, "Stadtreporter"
15.00 Music
17.00 News
18.00 Eveningsong
19.00 News
21.00 News, Progr. Preview
23.00 News, Music
24.00-02.00 Dance Music (Sat. only)

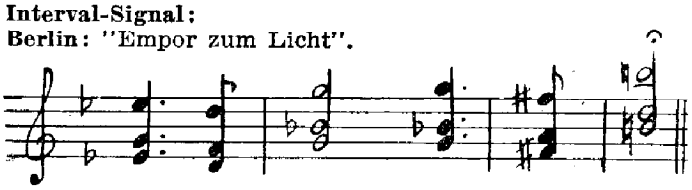
Sundays:
05.00 Music, News
06.10 For Radioamateurs or Stampcollectors, Music
07.00 News
08.00 Religious Service
09.00 News, Progr. Preview
09.20 "Volksmusik"
09.15 "Hörerbriefe"
10.30 Press Review, Concert
11.00 Commentary, Concert
12.00 News
14.00 "Die Sonntagskinder"
14.30 Opera Music
15.30 Music
18.30 "Theaterspiegel"
19.00 News
21.00 News
22.00 "Bunte Stunde"
23.00 News, Music

Highlights of Programmes:
Opera or Operetta: 19.15 Mondays.
"Pulsschlag": 18.03 Mond., Tuesd., Thursd. and Frid.
"Musikalische Meisterwerke": 21.30 Thursd. and Tuesd.
Symphony Concert: Wedn. 19.15.

Landessender Potsdam: Relay of Berlin Home Service and Regional Programme.

Landessender Schwerin: Relay of Berlin Home Service and Regional Programme.

Interval-Signal:
Berlin: "Empor zum Licht".



DAILY PROGRAMMES FOR DEUTSCHLANDSENDER

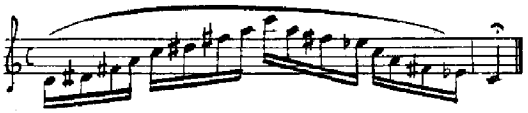
Weekdays: 03.30-07.15, 10.00-24.00 (Sat. 02.00).
Sundays: 05.00-24.00.

Weekdays:
03.30 News for W. Germany
04.00 News
05.00 News
06.00 News
07.00 News, Press Review
09.10 "Suchdienst"
10.00 News
11.05 Music
12.00 News, Music
15.00 Press Review
16.00 News, Music
17.45 From USSR (Thursd.)
18.00 Eveningsong, News, Commentary
21.00 News, Commentary
23.00 News
00.00-00.30 News to newspapers (exc. Sat.) and Progr. Preview (Dictation)

Sundays:
05.00 News, Music
07.00 News, Press Review
07.15 Religious Service
08.00 Music
09.00 News, Music
10.30 Bach Concert (From Leipzig)
11.15 Music
12.00 News, From USSR
14.00 "Die Sonntagskinder"
17.40 "Welt im Funk"
18.03 News, Symphony
21.00 News, Commentary
23.00 News
00.00-00.45 News to newspapers and Progr. Perview (Dictation)

Highlights of Programmes:
Symphony Concert: Sun. 18.15 — *Radio Play:* Mo. 18.15 — *Musical Masterpieces:* Mo., Wedn., Fri. 21.20 — *Concert of Masterpieces:* Thursd. 18.15 — *"Aussenpolitische Probleme der Zeit":* Fri. 17.50.

Interval-Signal:



MITTELDEUTSCHER RUNDFUNK

Address: Sender Leipzig, Springerstrasse 24, Leipzig N. 22.

Leading Personalities: Intendant: Kurt Heiss. Vice-Intendant: Werner Fehlig. Technical Director: Rudolf Hacke. Administrative Director: Fr. W. Müller. Chief-Editor: Arthur Mannbar. Chief of News: Wolfgang Söltner. Chief of Information: Günther Leonhardt. Chief of Plays: Carl Nagel. Chief of Music: Willy Pretzsch. Chief of Literature: Heinz Rusch. Chief of Entertainment: Horst Lehn. Chief of Youth and Education Dep.: Walter Bäcker.

Leipzig	785 kc/s	382.2 m	120 kW	
Dresden	1465 kc/s	204.8 m	1,5 kW	Relay, Regional
Weimar	1031 kc/s	291.0 m	20 kW	Relay, Regional
Erfurt	1031 kc/s	291 m	20 kW	Relay, Regional
Halle	1303 kc/s	230.2 m	16 kW	Relay, Regional
S. W. Leipzig	9730 kc/s	30.83 m	12 kW	

Daily Programmes for 785 kc/s and 9730 kc/s:
Weekdays: 04.00 08.30, 10.00-23.10 (Sat. 02.00).
Sundays: 05.00-24.00.
(In summer one hour earlier.)

Weekdays:
04.00 News, Music
06.00 News, Progr. Preview
07.15 "Schulfunk"
07.45 Programme-Preview
08.00 News
08.15 "Suchdienst"
11.00 News, Progr. Preview
12.15 "Landfunk"
12.25 Music
13.30 "Schulfunk"
14.00 "Kammermusik"
15.30 "Zeitgeschehen"
16.00 News
18.30 News, Commentary, Programme-Preview
19.00 Music
20.00 Music
21.00 News, Sendung für Westdeutschland
22.30 Music
23.00 News
23.10-02.00 Dance-Music (only Saturday)

Sundays:
05.00 News, Music
06.00 News, Music
06.30 Religious Service
07.15 "Singende Jugend grüsst den Sonntag"
07.30 "Lyrik unserer Zeit"
07.45 Music
09.00 News, Music
10.00 "Eine halbe Stunde, Briefe aus der Hörerrunde"
10.30 Cantata
11.00 News
11.15 "Der Bauernrat"
11.30 "Schöne Melodien"
12.00 Commentary, Program Preview
12.15 "Volksmusikstunde"
13.00 "Der zündende Funke"
15.00 "Portrait der Zeit", Music
17.15 "Probleme der Zeit"
18.00 "Berühmte Werke grosser Meister"
18.30 "Leipzigs buntes Filmmagazin"
19.30 News, Progr. Preview, Sports, Music
21.30 News, "Sendung für Westdeutschland"
22.15 Dance-Music
23.00 News,
23.10-00.00 Dance-Music

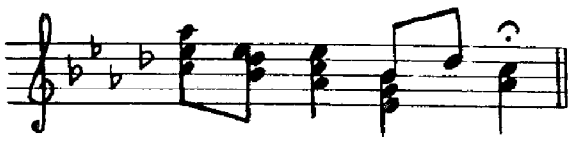
On Short wave: Mo., Wedn., Fri. from 23.10-00.00 Dance-Music — Mo., Wedn., Thursd., Fri. from 00.00-00.45 News for the German Press. —

Highlights of Programmes:
Symphony: 20.00 on Tuesdays.
Opera: 20.00 on Fridays.
"Meister ihres Faches": 21.00 on Thursdays.

All times are indicated in G.M.T.

Announcement: "Hier ist der Mitteldeutsche Rundfunk mit den Sendern Dresden, Weimar und Halle und der Kurzwelle im 31 m. b."

Interval-Signal:
Leipzig: "Phantasie" (Freie Erfindung).



RADIO WOLGA (The Russian Forces station in Germany)

Address: Fieldpostnumber 48 251 D

Stations:	283 kc/s	1060 m	20 kW
	722 kc/s	415.5 m	120 kW (Leipzig II)
	7615 kc/s	39.40 m	120 kW

Announcement: Attention! Here is the station Wolga! (only for own broadcasts-in Russian)

Interval signal: First notes from the song "May others sing about the Wolga": a - a - g - e - cis - a - h - cis - e - d

Programmes: Own broadcasts from 17.30-19.30 hrs., Sundays also from 11.00-12.30 hrs. Otherwise relay from Moskva.
Own broadcasts: *Weekdays:* 17.30-17.45 News incl. Radio-Calendar, 17.45-18.15 Literature, 18.15-19.00 Concert, 19.00-19.30 Political Talk. *Sundays:* 12.00-12.15 Political Talk, 12.15-13.30 Music, 18.30-18.45 International Review, 18.45-19.45 Request Concert f. soldier, 19.45-20.05 Political talk about German, 20.05-20.30 Light Music.

The Medium Wave Station Wolga relay from Moskva all transmissions in German for Germany.

GREAT BRITAIN

Population: 50.019.000. **Listeners:** 11.823.000.

Address: The British Broadcasting Corporation, Broadcasting House, Portland Place, London W 1.

B. B. C. Publications:
Domestic: "Radio Times" and "The Listener".
Overseas: "London Calling", "Arabic Listener".
Europe: "London Calling Europe". — "Ici Londres". — "Hier spricht London".
B. B. C. Quarterly and B. B. C. Yearbook.

Leading Personalities: Chairman: The Lord Simon of Wythenshawe, LL.D., M.I.C.E., M.I.M.E. Vice-Chairman: The Dowager Marchioness of Reading, G. B. E., Director General: Sir William Haley, K. C. M. G. Director of Technical Services: Sir Noel Ashbridge, M.I.C.E., M. I. E. E. Director of Home Broadcasting: B. E. Nicolls, C. B. E. Director of Overseas Services: Major General Sir Ian Jacob, K. B. E., C. B. Director of Administration: Air Chief Marshal Sir Norman Bottomley, K.C.B., C.B., C.I.E., D.S.O., A.F.C. Director of the Spoken Word: G. R. Barnes. Controller Home Service: R. E. L. Wellington. Controller Light Programme: T. W. Chalmers. Controller of Third Programme: H. J. G. Grisewood. Controller Television: Norman Collins. Controller Entertainment: R. J. F. Howgill, Controller Talks: R. A. Rendall. Controller Finance: T. Lochhead, C. B. E. Controller Staff Administration: J. H. Arkell. Chief Engineer: H. Bishop, C.B.E., F.C.G.I., M.I.E.E., M. I. M. E. Editor, News: T. R. P. Hole.

HOME PROGRAMMES

FREQUENCIES FOR HOME PROGRAMMES ON LONG AND MEDIUM WAVES:

Home Service:

668 kc/s	449.1 m	North Regional
767 kc/s	391.1 m	Scottish Regional
804 kc/s	373.1 m	Welsh Regional
877 kc/s	342.1 m	London Regional
977 kc/s	307.1 m	Western Regional
1013 kc/s	296.2 m	Midland Regional
1050 kc/s	285.7 m	North of England
1050 kc/s	285.7 m	Northern Ireland
1384 kc/s	216.8 m	Western Regional

Light Programme:		**Third Programme:**	
200 kc/s	1500 m	583 kc/s	514.6 m
1149 kc/s	261.1 m	1474 kc/s	203.5 m

New Frequencies after March 1950:

200 kc/s	1500 m	1151 kc/s	261 m
647 kc/s	463 m	1214 kc/s	247 m
692 kc/s	433 m	1295 kc/s	231 m
809 kc/s	371 m	1340 kc/s	224 m
881 kc/s	340 m	1457 kc/s	206 m
908 kc/s	330 m	1484 kc/s	202 m
1052 kc/s	285 m	1546 kc/s	194 m
1088 kc/s	276 m	1594 kc/s	190 m

Daily Programmes: *Home Service:*

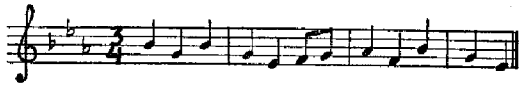
Weekdays from 06.30-23.03.	*Sundays* from 07.55-23.03.
06.30 Music	07.55 Weather forecast
07.00 News	08.00 News
07.10 Progr. Parade	08.10 Progr. Parade
07.15 Music	08.20 Music
08.00 News	09.20 Progr. Parade
08.10 Progr. Parade	09.30 Morning Service
10.15 The Daily Service	11.30 Music Magazine
10.30 Music	12.10 The Critics
11.00 Schools (or Music)	13.00 News
13.00 News	13.40 Music
14.00 Schools (or Music)	15.00 Concert
18.00 News	18.00 News
18.20 Variety	18.45 Popular Concert
18.45 Light Music	19.45 Evening Service
21.00 News	20.30 Serial Play
22.45 Today in Parliament (when Parliament is in session)	21.00 News
	21.15 Talk
	23.00 News Summary
23.00 News Summary	

Interval-Signal: Bow Bells

Light Programme:

Weekdays from 09.00-24.00.	
09.00 News	23.00 A Book at Bedtime
09.10 Housewives' Choice	23.15 Light Music
10.30 Forces Educational Service	23.56 News Summary
11.00 Music	*Sundays* from 08.00-24.00.
12.30 Concert Hour	08.00 Music
14.00 Woman's Hour	09.00 News
15.00 Music	09.10 Music
16.00 Mrs. Dale's Diary	11.30 People's Service
18.15 Music	12.00 Music
19.00 News. Newsreel	19.00 News
19.30 Light Entertainment	20.30 Sunday Half-hour
22.00 News	22.00 News
22.20 Dance Music	23.56 News Summary

Interval-Signal: 1) Orange and Lemons



There are four versions, one played on the novachord

and three played on the novachord celeste; the last three differ in that they are of varying duration.
2) Harp arpeggio — a choice of six harp interludes.

Third Programme: Daily from 18.00-24.00.
This programme consists generally of music, radio-plays and talks. There are no news broadcasts.

Frequencies used for BBC's External Services:
— *Long- and Medium Waves:* Otringham 1796 m — Radio Dobl, Austria 338.6 m — Norden Germany 456 m — Cowborough 267.3 m.

Short Waves:

2880 kc/s	104.2 m	GRC	6180 kc/s	48.54 m	GRO
6010 kc/s	49.92 m	GRB	6195 kc/s	48.43 m	GRN
6035 kc/s	49.71 m	GWS	7075 kc/s	42.40 m	GRS
6040 kc/s	49.67 m	GSY	7120 kc/s	42.13 m	GRM
6050 kc/s	49.59 m	GSA	7150 kc/s	41.96 m	GRT
6060 kc/s	49.50 m	GSX	7185 kc/s	41.75 m	GRK
6070 kc/s	49.42 m	GRR	7200 kc/s	41.67 m	GWZ
6090 kc/s	49.26 m	GWM	7210 kc/s	41.61 m	GWL
6110 kc/s	49.10 m	GSL	7230 kc/s	41.49 m	GSW
6125 kc/s	48.98 m	GWA	7250 kc/s	41.38 m	GWI
6150 kc/s	48.78 m	GRW	7260 kc/s	41.32 m	GSU
6165 kc/s	48.66 m	GWK	7280 kc/s	41.21 m	GWN
6170 kc/s	48.62 m	GSZ	7320 kc/s	40.98 m	GRJ
9410 kc/s	31.88 m	GRI	15070 kc/s	19.91 m	GWC
9510 kc/s	31.55 m	GSB	15110 kc/c	19.85 m	GWG
9525 kc/s	31.50 m	GWJ	15140 kc/s	19.82 m	GSF
9550 kc/s	31.41 m	GWB	15180 kc/s	19.76 m	GSO
9570 kc/s	31.35 m	GWX	15210 kc/s	19.72 m	GWU
9580 kc/s	31.32 m	GSC	15230 kc/s	19.70 m	GWD
9600 kc/s	31.25 m	GRY	15260 kc/s	19.66 m	GSI
9625 kc/s	31.17 m	GWO	15300 kc/s	19.61 m	GWR
9640 kc/s	31.12 m	GVZ	15310 kc/s	19.60 m	GSP
9660 kc/s	31.06 m	GWP	15435 kc/s	19.44 m	GWE
9675 kc/s	31.01 m	GWT	15450 kc/s	19.42 m	GRD
9690 kc/s	30.96 m	GRX	17700 kc/s	16.95 m	GVP
9700 kc/s	30.93 m	GWY	17715 kc/s	16.93 m	GRA
9825 kc/s	30.53 m	GRH	17730 kc/s	16.92 m	GVQ
9915 kc/s	30.26 m	GRU	17790 kc/c	16.86 m	GSG
11680 kc/s	25.68 m	GRG	17810 kc/s	16.84 m	GSV
11700 kc/s	25.64 m	GVW	18025 kc/s	16.64 m	GRQ
11730 kc/s	25.58 m	GVV	18080 kc/s	16.59 m	GVO
11750 kc/s	25.53 m	GSD	18130 kc/s	16.55 m	GRP
11770 kc/s	25.49 m	GVU	21470 kc/s	13.97 m	GSH
11790 kc/s	25.45 m	GWV	21530 kc/s	13.93 m	GSJ
11800 kc/s	25.42 m	GWH	21550 kc/s	13.92 m	GST
11820 kc/s	25.38 m	GSN	21640 kc/s	13.86 m	GRZ
11840 kc/s	25.34 m	GWQ	21675 kc/s	13.84 m	GVR
11860 kc/s	25.30 m	GSE	21710 kc/s	13.82 m	GVS
11890 kc/s	25.23 m	GWW	21750 kc/s	13.79 m	GVT
11930 kc/s	25.15 m	GVX	25750 kc/s	11.65 m	GSQ
11955 kc/s	25.09 m	GVY	26100 kc/s	11.49 m	GSK
12040 kc/s	24.92 m	GRV	26400 kc/s	11.36 m	GSR
12095 kc/s	24.80 m	GRF	26550 kc/s	11.30 m	GSS

Daily Programmes for Europe:

03.15-03.30 Russian
03.30-03.45 Russian
04.30-04.45 Rumanian
04.45-05.00 Bulgarian
05.00-05.15 German-Greek
05.15-05.30 Czech-English (English by Radio)
05.30-05.45 Polish
05.45-06.00 Yugoslav-English (English by Radio)
06.00-06.15 German-English (English by Radio)
06.15-06.30 Hungarian-English
06.30-06.45 Austrian-French-Italian
06.45-07.00 Dutch
07.00-07.15 French
07.15-07.30 English
07.45-08.00 English (English by Radio)
08.00-08.15 German-French
08.15-08.30 French
08.30-08.45 Luxembourg (Sundays only)
09.30-09.45 English (Religious Service, Sundays only)
09.45-10.15 English (Religious Service, Sundays only)
10.15-10.30 English (Religious Service, Weekdays only)
10.30-10.45 English (English Dictation Speed News)
10.45-11.00 English (English by Radio)
11.00-11.15 Norwegian
11.15-11.30 Danish-English (English Dictation Speed News)
11.30-11.45 French-English (English by Radio)
12.00-12.15 English (English by Radio)
12.15-12.30 Greek-English (English Dictation Speed News)
12.30-12.45 Austrian-French-Italian-English
12.45-13.00 English
13.00-13.15 German-Czech-English (English by Radio)
13.15-13.30 German-Dutch-Spanish
13.30-13.45 Polish-Portuguese
13.45-14.00 Yugoslav
14.15-14.45 Russian
15.00-15.45 Finnish (Sundays only)
15.45-16.00 English (English by Radio)
16.00-16.15 German-Slovak-Finnish-French (L'Anglais par la Radio)
16.15-16.30 Polish ACE-English ACE-Hungarian-Finnish
16.30-16.45 Polish ACE-English ACE-Italian ACE-Albanian
16.45-17.00 Italian ACE-German-Rumanian-English (English by Radio)
17.00-17.15 Bulgarian ACE-German-Belgian-Slovak
17.15-17.30 Austrian-Belgian-Yugoslav
17.30-17.45 Austrian-Dutch-Norwegian-English (English by Radio)
17.45-18.00 Dutch-Norwegian
18.00-18.15 Bulgarian-English (Slow Speed)-English (London calling Europe)
18.15-18.30 Bulgarian-German (Learn English)-English
18.30-18.45 Polish-French-Greek-Swedish-Italian
18.45-19.00 Polish-French-Greek-Swedish-Italian
19.00-19.30 German-French-Rumanian-Danish-Czech
19.30-19.45 German-French-Hungarian-English (English by Radio)
19.45-20.00 German-French-Yugoslav-Hungarian-Spanish
20.00-20.15 German-French-Yugoslav-Spanish
20.15-20.30 German-French--Slovene-Spanish ACE
20.30 20.45 German-French-Czech-Bulgarian-Portuguese
20.45-21.00 German-French-Czech-Portuguese
21.00-21.15 German-Italian-English (Programme)
21.15-21.30 English (English by Radio)-English (Programme)-Italian-Russian
21.30-21.45 Polish-Italian-Russian-English (Programme)
21.45-22.00 Polish-Yugoslav-English (News)
22.00-22.15 English (Programme)-French ACE-Spanish ACE-Yugoslav
22.15-22.30 English (Programme)-French ACE-Spanish ACE-Yugoslav
22.30-22.45 English (Programme)
22.45-23.00 English (News)
23.00-23.15 German-French

ACE signifies "America Calling Europe" (relay from New York of the Voice of America)

European Services under Languages:

Albanian:
16.30-16.45 on 339-49-41-31-19 m. b.
19.15-19.30 on 30.96-25.30

Bulgarian:
04.45-05.00 on 339-49-41-31 m. b.
18.00-18.30 on 339-41-31 m. b.
20.30-20.45 on 49-31 m. b.

All times are indicated in G.M.T.

Miss Metcalfe,
Announcer in the B. B. C.'s
Overseas Service.

Mr. Lindley Fraser,
Head of B. B. C.'s German
Service.

Czech-Slovak:
05.15-05.30 on 1796-339-49-41 m. b.
13.00-13.15 on 31-25-19 m. b.
17.00-17.15 on 339-49-31-25-19 m. b.
20.30-21.00 on 339-41-31 m. b.

Danish:
11.15-11.30 on 1796-49-41-31-25 m. b.
19.00-19.30 on 1796-49-41-31-25 m. b.

Dutch:
06.45-07.00 on 1796-49-41 m. b.
13.13-13.30 on 267-41-31-25-19-13 m. b.
17.30-18.00 on 267-41-31 m. b.

English:
06.15-06.30 on 456-339-267-49-41 m. b.
07.15-07.30 on 1796-456-267-49-41-31 m. b.
09.30-10.15 on 1796-456 m. b. (Sun.)
10.15-10.30 on 1796-456 m. b. (Weekd.)
10.30-10.45 on 1796-49-41-31-25 m. b.
11.15-11.30 on 31-25-19 m. b.
12.15-12.30 on 456-267-41-31-25 m. b.
12.45-13.00 on 1796-456-267-41-31-25 m. b.
18.00-18.15 on 49-41-31 m. b.
18.00-18.30 on 1796-267-49-41-31-25-19 m. b.
20.00-20.15 on 339-41-31 m. b.
21.00-21.15 on 1796-267-49 m. b.
21.15-21.45 on 1796-267-49 m. b.
21.45-22.00 on 1796-267-49 m. b.
22.00-22.30 on 1796-456-49-41 m. b.
22.30-22.45 on 1796-456-49-41 m. b.
22.45-23.00 on 1796-456-49-41 m. b.

English by Radio:
05.15-05.30 on 267-49-41-31 m. b.
05.45-06.00 on 1796-456-49-41 m. b.
06.00-06.15 on 339-49-41-31 m. b.
07.45-08.00 on 456-267-49-41-31 m. b.
10.45-11.00 on 1796-49-41-31-25 m. b.
11.30-11.45 on 31-25-19 m. b.
12.00-12.15 on 456-267-41-31-25 m. b.
13.00-13.15 on 41-31-25 m. b.
15.45-16.00 on 41-31-25-19 m. b.
16.45-17.00 on 267-41-31-25 m. b.
17.30-17.45 on 339-31-25 m. b.
18.00-18.15 on 456-49-31
19.30-19.45 on 49-31 m. b.
21.15-21.30 on 456-41 m. b.

Finnish:
15.00-15.45 on 31-25 m. b. (Sun.)
16.00-16.30 on 49-41-31-25 m. b.

Dutch (for Belgium):
17.00-17.15 on 41-31-25 m. b.

French (for Belgium):
17.15-17.30 on 267-41-31-25 m. b.

French:
06.30-06.45 on 267-49-41 m. b.
07.00-07.15 on 267-49-41 m. b.
08.00-08.30 on 267-49-41-31 m. b.
11.30-11.45 on 267-41-31 m. b.
12.30-12.45 on 267-41-31-25 m.b.
16.00-16.15 on 267-41-31-25 m. b.
18.30-20.00 on 267-49-41-31 m. b.
20.00-21.00 on 1796-267-49-41-31 m. b.
23.00-23.15 on 267-49-41 m. b.

German (for Austria):
06.30-06.45 on 1796-456-49-41 m. b.
12.30-12.45 on 1796-456-41-31-25 m. b.
17.15-17.45 on 456-41-31-25 m. b.

German:
05.00-05.15 on 1796-456-49-41 m. b.
06.00-06.15 on 1796-456-339-49-41 m. b.
08.00-08.15 on 1796-456-49-41 m. b.
13.00-13.30 on 1796-456-41-31-25 m. b.
16.00-16.15 on 1796-456-339-41-31-25 m. b.
16.45-17.00 on 1796-456-41-31-25 m. b.
17.00-17.15 on 1796-456-41-31-25 m. b.
18.15-18.30 on 456-49-41-31 m. b.
19.00-21.15 on 456-49-41 m. b.
23.00-23.15 on 1796-456-49-41 m. b.

Greek:
05.00-05.15 on 339-49-41-31 m. b.
12.15-12.30 on 31-25-19 m. b.
18.30-19.00 on 339-41-31-19 m. b.

Hungarian:
06.15-06.30 on 1796-339-49-41 m. b.
16.15-16.30 on 339-41-31 m. b.
19.30-20.00 on 1796-339-41-31 m. b.

Italian:
06.30-06.45 on 339-49-41-31 m. b.
12.30-12.45 on 31-25-10 m. b.
18.30-19.00 on 31-25 m. b.
21.00-21.45 on 339-49-31-25 m. b.

Mr. Robert Gladwell,
announcer, reading the
news in the B. B. C.
Overseas Service.

Mr. Stuart Hibberd,
B. B. C. Chief Home
Announcer and News
Reader.

All times are indicated in G.M.T.

Great Britain BBC London Miss Metcalfe Lindley Fraser Robert Gladwell Stuart Hibberd

Luxembourgish:
08.30-08.45 on 267-41-31 m. b.

Norwegian:
11.00-11.15 on 1796-49-41-31-25 m. b.
17.30-18.00 on 1796-49-41-31-25 m. b.

Polish:
05.30-05.45 on 1796-456-49-41 m. b.
13.30-13.45 on 1796-456-41-31-25 m. b.
18.30-19.00 on 456-49-41-31 m. b.
21.30-22.00 on 456-41 m. b.

Portuguese:
13.30-13.45 on 41-31-25-13 m. b.
20.30-21.00 on 49-41-31-25 m. b.

Rumanian:
16.45-17.00 on 41-31 m. b.
04.30-04.45 on 339-49-41-31 m. b.
19.00-19.30 on 339-41-31 m. b.

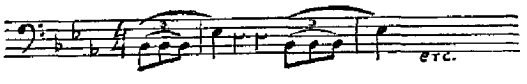
Russian:
03.15-03.45 on 49-41-31-25-19-13 m. b.
14.15-14.45 on 49-41-31-25-19-16-13 m. b.
21.15-21.45 on 49-41-31-25-19-13 m. b.

Serbo-Croat:
05.45-06.00 on 339-267-49-41-31 m. b.
13.45-14.00 on 31-25-19 m. b.
17.15-17.30 on 339-49-41-31-19 m. b.
19.45-20.15 on 49-31 m. b.
20.15-20.30 on 339-49-31 m. b.
21.45-22.15 on 339-49-41 m. b.

Spanish:
13.15-13.30 on 41-31-25 m. b.
19.45-20.30 on 49-41-31-25 m. b.

Swedish:
18.30-19.00 on 1796-49-41-31-25 m. b.

Interval-Signal for European Service: Morse Signal "V" (V for Victory) played on Timpani (i. e. . . .-)



America calling Europe.

ACE Periods in BBC European Service in Winter Schedule 1949/1950.

16.15-16.30	Greek	30.93-25.64 m
16.15-16.45	Polish	1796, 456, 40.98, 31.17, 25.15 m
16.15-16.45	English	267, 41.61, 31.88, 25.49 m
16.30-17.00	Italian	30.96, 25.30 m
17.00-17.15	Bulgarian	41.32, 31.50 m
17.00-17.30	English	30.92, 24.80, 19.70 m
17.30-18.00	Czech	41.32, 31.50 m
17.45-18.00	Yugoslav	30.93, 25.64 m
18.00-19.00	Russian	41.67, 30.93, 25.64, 24.80 m
19.00-19.30	English	41.67, 30.93, 24.80 m
19.00-19.30	Yugoslav	30.26, 25.64 m
19.30-20.00	Rumanian	30.26, 25.64 m
20.00-20.30	Hungarian	30.26, 25.30 m
20.00-20.15	English	41.67, 30.93, 24.80 m
20.30-21.00	Polish	41.67, 30.93, 24.80 m
20.30-21.00	Greek	30.26, 25.64 m
20.45-21.00	English	30.26, 25.64 m
21.45-22.00	Hungarian	41.67, 31.32 m
21.00-21.30	Russian	41.67, 30.93, 24.80 m
22.00-22.15	French	267, 48.54, 41.61 m
22.00-22.30	Spanish	41.49, 31.01 m

GENERAL OVERSEAS SERVICE:

The General Overseas Service, which runs continuously throughout the twentyfour hours, and can be heard at suitable times all over the world, is addressed to all who regard the United Kingdom as home, wherever they may be. All programmes are in English.

00.00-01.00	49-31-25-19 m. b.	08.00-09.00	31-25-19-16-13 m.
01.00-01.30	49-31-25 m. b.	09.00-10.00	19-16-13 m. b.
01.30-03.30	49-31-25 m. b.	10.00-12.15	25-19-16-13-11 m.
03.30-03.45	31-25 m. b.	12.15-13.15	19-16-13-11 m. b.
03.45-04.00	31-25 m. b.	13.15-15.45	19-16-13 m. b.
04.00-05.00	49-41-31-25-19 m.	15.45-21.00	31-25-19-16-13 m.
05.00-05.30	49-41-31-25-19 m.	21.00-22.45	31-25-19 m. b.
05.30-06.00	49-31-19-16 m. b.	22.45-24.00	49-31-25-19 m. b.
06.00-08.00	31-25-19-16-13 m.		

Daily Programmes:

03.00	News	14.00	Radio Newsreel
03.10	From the Editorials	16.00	News
04.00	News	16.10	News Analysis
04.10	Programme Preview	17.15	Radio Newsreel
04.15	News Dictation	18.00	News
06.00	News	18.10	Home News
06.10	Daily Service (exc. Sun.)	20.00	News
07.00	News	20.10	Daily Service (exc. Sun.)
07.10	Home News	21.15	Programme Preview
11.00	News	23.00	News
11.10	News Analysis	23.10	News Analysis
12.00	From the Editorials	00.00	Radio Newsreel
12.10	Programme Preview	01.00	News
13.00	News	01.10	Home News
13.10	Home News		

The times at which the General Overseas Service is available in various parts of the world and the appropriate wavelengths are:

Pacific:	06.00-12.00
Africa:	04.00-22.45
Near East:	04.00-21.00
Far East:	04.00-17.15
East:	01.00-17.15
North America:	00.00 01.30, 02.00-03.15, 22.00-22.45, 23.00-24.00
Central America:	00.00-03.15, 17.15-23.15, 23.45-24.00
West Indies:	00.00-03.15, 17.15-23.15, 23.45-24.00
South America:	00.00-03.15, 11.00-11.15, 16.00-24.00

Interval-Signal for General Overseas Service: Bow Bells.

REGIONAL PROGRAMMES

For the Pacific Area: In English. Directed to Australia and New Zealand.
06.00-07.45 on 31-25-16 m. b.

06.00	News	07.30	From the Editorials
06.10	Programme Preview	07.35	Programme Preview
06.30	Radio Newsreel		

Far Eastern Service: In English, Dutch, French and Far Eastern Languages. Directed to Burma, Malaya, China, Japan and South East Asia.

11.00-14.30 on 31-19-13-11 m. b.
13.30-14.00 on 31 m. b. (for N. & S. China only)

11.00	News in Cantonese	12.45	News in Siamese
11.15	News in Japanese	13.00	News in English
11.45	News in French	13.15	News in Dutch
12.00	English Half Hour	13.30	News in Kuoyo
12.30	News in Malay	14.00	News in Burmese

Eastern Service: In English and Eastern Languages. Directed to India, Pakistan and Ceylon.

13.15-15.15 on 16-13 m. b.
13.15 News in Hindustani
13.30 Marathi Radio Magazine (Wed.)
Bengali Radio Magazine (Sat.)
14.00 English Programme (exc. Tuesd. and Thursd.)
Tamil Magazine Progr. (Tuesd.)
Sinhalese Magazine Progr. (Thursd.)

All times are indicated in G.M.T.

Near Eastern Services: In Arabic, Persian and Turkish. Directed to North Africa, Near- and Middle East.

04.30-05.15, 15.45-18.15, 19.30-20.30 and 21.00-21.15 on 49-41-31-25 m.
Arabic: 04.45-05.15, 17.00-18.15 and 19.30-20.30.
Persian: 15.45-16.30.
Turkish: 04.30-04.45, 16.30-17.00 and 21.00-21.15.

Colonial Services: In English and Greek for Cyprus and Malta.
17.30-17.45 on 19 m. b.

In English for West Africa.
20.15-21.00 on 25 m. b.

In English for West Indies.
23.15-23.45 on 31-25 m. b.

In English and Afrikaans for Central and South Africa.
15.30-15.45 on 16 m. b.
18.45-19.15 on 31-25 m. b.

Latin American Services in Portuguese: Directed to Central America, South Caribbean Area, South America (N. & S. of Amazon).

22.00-01.30 on 31-25 m. b.

22.00 Programme Survey	00.00 News
22.15 News	01.00 News Summary
	01.25 Programme Survey

Latin American Service in Spanish: Directed to Central America, South Caribbean Area, South America (N. & S. of Amazon) and Mexico.

22.00-03.45 on 49-25-31 m. b.

22.00 News Summary	02.00 News
23.00 News	03.15 News
00.00 News	

North American Service: In English and French. Directed to Canada, New Foundland, U. S. A. and Mexico.

13.00-14.00 on 16 m. b.
14.15-16.15 on 13 m. b.
17.00-21.15 on 19-13 m. b.
22.45-23.00 and 01.30-02.00 on 31-25 m. b.

For the West Coast only.
22.45-23.00 and 01.30-02.00 on 31 m. b.

13.00 News	20.00 News Analysis. (exc. Sat. and Sun.)
13.10 From the Editorials	
14.15 Programme Summary	21.00 Radio Newsreel
16.00 News	22.45 News
16.10 News Analysis	22.55 News Analysis
17.00 Programme Summary	01.45 From The Editorials

Interval Signal for North American Service: The notes "B. B. C." played on Novachord. ....

Announcement: *Home Programme:* "This is the B. B. C., Home Service, Light Programme or Third Programme". *European Service:* "This is London calling in the European Service of the B.B.C.". In French: "Ici Londres". In German: "Hier ist England". In Dutch: "Hier is London". In Italian: "La Voce di Londra".

B. B. C.'s Overseas Services: "This is London calling in the General Overseas Service of the B. B. C. . . ." "You are listening to the General Overseas Service of the B. B. C. from London".
"This is London calling in the Pacific, African, North American. . . etc. . . . Service of the B. B. C.".

Interval-signal: Shown for each of the Services. Overseas Service gives Big Ben full strike 00.00, 04.00 and 17.00. Chimes every ¼ and ½ hour where there is a programme break.

Message to Listeners: The B. B. C. London welcomes letters from its listeners throughout the world, with comments on the substance and reception of its various broadcasts. Any such letters addressed to the B. B. C., London W 1, will receive the most careful attention.

GREECE

Population: 7 300.000. **Listeners:** 90.000.

NATIONAL BROADCASTING INSTITUTE

Address: Ethnikon Idryma Radiophonias (National Broadcasting Institute) 4, Righillis Street, Athens T. 1.

Radiopublication: "Weekly programme of Greek Broadcasting Stations", — Editor: Mr. D. C. Svolopoulos.

Leading Personalities: Director General: Mr. D. C. Svolopoulos. — Technical Manager: Mr. B. Aslanides. — Chief of Music: Mr. G. Georgiades.

Stations:

Athens	601 kc/s	499.2 m	15 kW	
Salonica	804 kc/s	373.1 m	2 kW	Relay, Reg.
Volos	1330 kc/s	225.0 m	0,25 kW	Relay, Reg.

Athens 7.5 kW

6177 kc/s	48.56 m	7300 kc/s	41.09 m
9607 kc/s	31.23 m	15345 kc/s	19.53 m

New frequencies after March 1950:

Athens	728 kc/s	100 kW
Thessalonica	791 kc/s	50 kW
Kalamata	1043 kc/s	5 kW
Kerkyra	1196 kc/s	15 kW
Rhodos	1394 kc/s	5 kW
Komotini	1403 kc/s	5 kW
Common freq.	1484 kc/s	
Chania	1511 kc/s	5 kW
Common freq.	1594 kc/s	

Daily Programmes on 499.2 m (S = Summer).

Weekdays: 04.30-07.35, 10.00-13.00, 15.00 (S. 15.30)-22.15 (S. 22.30).
Sundays: 04.30-08.00, 09.00-13.00, 15.00 (S. 15.30)-22.15 (S. 22.30).

Weekdays:	
04.30 Progr. Preview	12.15 Relay B.B.C.
04.35 Music, Exercise	12.45 News
05.30 News	16.40 Progr. in French
05.50 Music	18.15 News
07.25 News	19.00 For North Greece
10.00 Pr. Preview, Music	20.00 News
10.15 For North-Greece (repeat)	20.15 Relay New York
	21.15 News
	21.30 Music
10.45 News	22.00 Pr. Preview - News Dictation
11.30 Relay Paris	

Highlights of Programmes:

Play:	19.20 Mondays.
Opera:	19.20 Tuesdays.
Symphony:	19.20 Thursdays.
English Music:	19.20 Fridays.
Variety:	19.20 Saturdays

Daily Programmes on 373,1 m:
Winter: Daily 05.00-07.00, 08.45-13.00, 15.00-21.00.
Summer: Daily 04.30-06.30, 08.45-13.00, 16.00-22.00.

Daily Programmes on 225 m: (S = Summer):
Weekdays: 10.30-12.30, 16.00 (S. 17.00)-20.30.
Sundays: 05.30-07.30, 10.30-12.30 (S. 14.30), 16.00-20.30.

Daily Programmes on Short-wave (S = Summer).

31.23 m:
05.30 (S. 05.15)-07.35 (S. 08.00) Relay Athens
10.00 (Sun. 09.00)-12.15 Relay Athens
12.15 For Greeks abroad (Sun. and Thursd.)
12.30 Relay Athens

19.53 m:
15.15 News, Dictation (Weekdays). Weekly Review in Greek (Sun.)
15.30 Folk Songs (Sun.)
15.45 News in English
16.00 News in French
22.30 News, Commentary (in English)
22.45 Greek Music
23.15 News, Commentary (in Greek).

41.09 m:
17.00 Turkish
17.15 Russian
17.30 Rumanian
17.45 Bulgarian
18.00 Yugoslav
18.15 Albanian
18.30 Warnings to Mariners
18.35-21.20 Relay Athens (Sun. Tuesd. and Thursd.)
19.00-21.20 Relay Athens (Mon., Wedn., Frid. and Sat.)

Announcements: "Radhiophonikos Stathmos . . ." (Name of station) or "Edho . . ." (Name of station).
e. g.: "R. S. Athinon, Thessalonikis, Volou" (Radio Station Athens, Salonica, Volos)
or: "Edho Athinai, Thessaloniki, Volos" (Here is Athens, Salonica, Volos).

Station-Signals:
Medium waves: "Tsopanakos imouna" — a folk song played on flute.

Short waves: "Kato stou valtou" — a folk dance played on clarinet acc. with piano.

Message to Listeners: It is hoped that the principal station of Athens (on 499.2 m) will be increased in power. Reports and critics of our programmes are welcomed and answered by letters or QSL-cards.

AUTONOMOUS BROADCASTING STATIONS for the Greek Armed Forces:

ATHENS I.

Address: Stathmos Enoplon Dhynameon (Forces' Broadcasting Station), 3 Zalokostas Street, Athens T. 1.
Station: Athens 6340 kc/s 47.30 m 0,25 kW

Daily Programmes:
Winter: 05.30-07.00 (Sun. 08.00), 10.00-13.00, 15.00-20.00.
Summer: 04.30-07.00 (Sun. 08.00), 10.00-13.00, 16.00-21.00.

Announcement: "Radiophonikos Stathmos Enoplon Dhynameon" (Forces Radio Station)

Station-Signal: The first 10 notes of the march "Greece Never Dies" played by trumpets.

Message to Listeners from the Autonomous Stations:
The programmes consist of News, Greek Music compiled with patriotic talks, features and some news-broadcasts from the front against guerrilla. Radio Larissa relays some news-broadcasts from Radio Athens on 499,2 m. The hours of transmission are subject to alterations.
We welcome letters reporting reception only.

ATHENS II

Address: 781 Lochos Ghenikon Metaforon-Radio Service, Ellinorosson Quarter, Athens T. 6.

Stations: Athens 1552 kc/s 193.0 m 1 kW
Athens 7050 kc/s 42,5 m 1,5 kW

Daily Programmes:
Winter: 05.30-07.30 (Sun. 08.00), 09.30-12.30, 15.00-20-00.
Summer: 05.00-07.30 (Sun. 08.00), 09.30-12.30, 16.00-20.30.

Announcement: "Edho dhefteros Radiophonikos Stathmos Enoplon Dhynameon" (Here is the second Forces Radio Station)

JANNINA

Address: 8th Merarchia, 492 Taghma Dhiavivasseon, Radio Jannina.
Station: Jannina 6580 kc/s 45.55 m 0,08 kW
Daily Programmes: 05.30-06.30 10.30-12.30, 17.00-19.00.

LARISSA

Address: A and B Soma Stratou, 453 Taghma Dhinavivasseon, Radio Larissa.
Station: Larissa 6745 kc/s 44.5 m 0,05 kW

Daily Programmes in *Greek, English* and *French:* 05.15-07.00 (Sun. 08.00), 09.30 (Sun. 09.00)-12.30, 15.00-20.00.

MAKRONISSOS

Address: C'Taghma Scapaneon, STC 902 B, Radio Makronissos.
Station: Makronissos 7100 kc/s 42.25 m 0,04 kW
Daily Programmes: 05.30-07.00, 10.30-12.30, 15.30-19.30.

TRIPOLIS

Address: 485 Lochos Dhiavivasseon, Radio Tripolis.
Station: Tripolis 8150 kc/s 36.8 m 0,03 kW
Daily Programmes: 05.00-07.00, 10.30-12.30, 16.00-19.30.

GREENLAND

Address: Radiostation Godthaab, Greenland.
Station: Godthaab OX1 5942 kc/s 50.49 m 1 kW
Daily Programmes from 21.30-22.45.
Weather report — News and Ships' Positions in Danish and Eskimo. Music.

Editor Grove whose voice can be heard daily at 21.30 in the Danish Broadcast from Godthaab Radio.

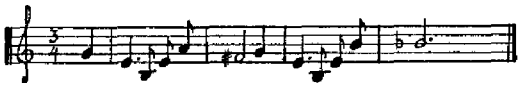
Editor Kristiansen is responsible for the broadcasts in Eskimo. At present mr. Kristiansen is in Denmark for journalistic training.

All times are indicated in G.M.T.

Greenland Godthab Radio Editor Grove Editor Kristiansen

Announcement in Danish: "God Aften. Her Grønlands Radio."

Interval-Signal: Chimes and first movement of six bars, played twice, of the Funeral March by Norman Andersen which was composed for Kjell Abel's play "Silkeborg".



HOLLAND

Population: 9.500.000. **Listeners**: 800.000.

Radiopublications: A. V. R. O.: "De Radiobode", Amsterdam — C. K. R. O.: "Katholieke Radio Gids", Amsterdam — C. N. C. R. V.: "Omroepgids" Wageningen. V. A. R. A.: "De Radiogids", Heuvellaan 35, Hilversum. V. P. R. O.: "Vrije Geluiden", Delft.

Address: Nederlandsche Radio Unie, The Dutch Radio Union, Postbox 150, Hilversum.

The Dutch Programmes for Home are provided by the following broadcasting societies:

A. V. R. O.: Algemeene Vereeniging Radio Omroep, Headoffice: Keizersgracht 107, Amsterdam. Studio: s' Gravelandseweg 52, Hilversum. — Chairman: Mr. G. de Clercq, Secretary-Treasurer: Mr. J. Corver, Managing-Director: Mr. W. Vogt.

K. R. O.: Katoliek Radio Omroep, Emmastraat 52, Hilversum. — Chairman: Prof. Dr. J. B. Kors O. P., Secretary: Mr. L. P. N. A. Bouwman, Treasurer: Mr. C. Burger, Managing-Director: Mr. P. A. M. Speet.

N. C. R. V.: Nederlandsche Christelijke Radio Vereeniging, Suzannapark 8, Hilversum. — Chairman: Mr. A. B. Roosjen, LLD, — Secretary-Treasurer: Mr. C. A. Keuning, Member: Mr. D. Pereboom, Managing-Director: Mr. K. van Dijk.

V. A. R. A.: Vereeniging van Arbeiders Radio Amateurs, Heuvellaan 35, Hilversum. — Chairman: Mr. K. de Jonge, Secretary-Treasurer: Mr. J. W. Lebon, Programme-Secretary: Mr. J. B. Broeksz.

V. P. R. O.: Vrijzinnig Protestantsche Radio Omroep, s' Gravelandseweg 65, Hilversum. — Chairman: Rev. Miss Dr. N. A. Bruining, Secretary-Treasurer: Mr. G. J. Ligthart, 2nd. Secretary: Prof. Dr. C. W. Mönnich, Managing-Director: Rev. E. D. Spelberg.

Central Address for the four principal broadcasting societies: Centraal Bureau voor den Omroep in Nederland, Postbox 52, Hilversum.

Leading Personalities of De Nederlandsche Radio Unie:

Chairman: Prof. Dr. J. B. Kors O. P., Secretary: Mr. J. W. Lebon, Treasurer: Mr. G. de Clercq. Members: Mr. J. B. Broeksz, Miss Dr. N. A. Bruining, Mr. A. B. Roosjen, LLD, Mr. K. van Dijk, Mr. P. A. M. Speet and Mr. W. Vogt.

Stations: *Long and Medium Waves.*

Lopik I	995 kc/s	301.5 m	125 kW	Hilversum I
Lopik II	722 kc/s	415.5 m	60 kW	Hilversum II
Kootwijk	160 kc/s	1875 m	10 kW	Relay Hilversum II
Hoogezand	1222 kc/s	245 m	1,5 kW*	(betw.16.00 and 17.00
Beek	1222 kc/s	245 m	1,5 kW*	For the Forces)
Hengelo	1222 kc/s	245 m	1,5 kW	Relay Hilversum II

*) The regional transmitters give own programme during 17.00-18.00; during the rest of the time between 18.00-24.00 they relay the programme Hilversum II.

New wave-lengths after March 1950:

Hilversum I	746 kc/s	402 m	120 kw
Hilversum II	1007 kc/s	297 m	120 kw
Common freq.	1594 kc/s	190 m	

DAILY PROGRAMMES:

Hilversum I: 06.00-23.00;
Hilversum II: 06.00-09.00, 19.00-23.00.
Hilversum II: (2. and 4. quarter)
Hilversum I: (1. and 3. quarter)

Weekdays:

(a) K. R. O.: Tuesdays, Fridays (once in a fortnight) and Saturdays: 06.00-23.00; Thursdays: 06.00-09.00 and 11.00-13.00.

(b) N. C. R. V.: Mondays, Wednesdays and Fridays (once in a fortnight): 06.00-23.00; Thursdays: 09.00-11.00 and 13.00-23.00.

Sundays:

(a) K. R. O.: 07.00-11.15 (once in a fortnight): 11.15-16.00 and 18.45-23.00.

(b) N. C. R. V.: 08.30-11.15 (once in a fortnight) and 16.00-18.45.

Weekdays:

06.00 News
06.15 (a) Music, (b) Gymnastics
06.30 (b) Records
06.45 (a) Morning Prayer and Liturgical Calender (b) Meditation
07.00 News
07.15 (a) Light Music, (b) Religious Music
08.35 (a) Music
09.30 (b) Religious Service
11.00 (a) Angelus
11.03 (a) Music
12.00 News
13.00 (a) Music and Play
17.30 For the Forces
18.00 News
19.00 News
19.05 (a) Political Talk, (b) Progr. Prologue
19.12 (a) Music or Play
21.30 (b) News
21.37 (a) Topics
21.45 (a) Evening Prayer and Liturgical Calender, (b) Meditation
22.00 (a) News
22.15-23.00 (a) Music

Hilversum I: (2. and 4. quarter)
Hilversum II: (1. and 3. quarter)

Weekdays:

(c) V. A. R. A.: Mondays (once in a fortnight): 06.00-23.00; Wednesdays and Saturdays: 06.00-09.00, 09.20-18.30 and 19.00-23.00; Fridays: 06.00-09.00, 09.20-11.00, 15.00-18.30, 20.00-21.40 and 22.00-23.00.

(d) A. V. R. O.: Mondays (once in a fortnight): 06.00-23.00; Tuesdays and Thursdays: 06.00-06.50 and 07.00-23.00; Fridays: 11.00-15.00.

(e) V. P. R. O.: Mondays (once in a fortnight): 09.00-09.20; Tuesdays and Thursdays: 06.50-07.00; Wednesdays and Saturdays: 09.00-09.20, 18.30-19.00; Fridays: 09.00-09.20, 18.30-20.00 and 21.40-23.00.

Sundays:

(c) V. A. R. A. 07.00-09.00, 09.00-09.30 (once in a fortnight): 09.30-11.00, 16.00-16.30 (once in a fortnight) and 16.30-19.00.

(d) A. V. R. O. 11.00-16.00 and 19.00-23.00.

(e) V. P. R. O. (once in a fortnight): 09.00-09.30 and 16.00-16.30.

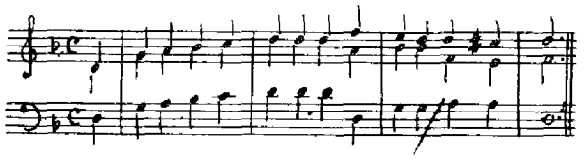
Weekdays:

06.00 News
06.15 Gymnastics
06.30 Records
06.50 (e) Meditation
07.00 News
07.15 (c) Socialistic Song (d) Music
08.15 (d) The Daily Service

All times are indicated in G.M.T.

09.00 (e) Morning Service	19.00 News
11.00 Light Music	19.05 Topics
12.00 News	22.00 News
17.00 News	22.15 Music

Interval Signal: A tune from "Valerius Gedenckklanck": "O Nederland, let op u saeck, de tyt en stout is daer".



RADIO NEDERLAND WERELDOMROEP — PCJ.
World Programme on Short-Waves.

Radiopublication by Radio Nederland Wereldomroep PCJ: A monthly programme bulletin of the International Programme Service, published in English and Spanish. Listeners who would care to receive a regular copy of this monthly publication are requested to write to the above address.

Address: Radio Nederland Wereldomroep PCJ, P. O. Box 137, Hilversum, The Netherlands.

Telegram address: Mundivox — Hilversum.

Leading Personalities: H. J. van den Broek, General Manager; G. Sluizer, Programme Director; C. J. Strop, Head of Administration; J. de Munck Mortier, Head Eastern Programme Service; E. van Eldik, Head Technical Dept.; F. Thors, Chief International Programme Service: Edw. Startz, Organizer and Producer of the "Happy Station" programme. For Publicity and Information: Mr. Henk Koops jr.

Stations: Huizen (Hilversum).

PCJ:	15.220 kc/s	19.71 m	40 kW
	9.590 kc/s	31.28 m	40 kW
PHI:	17.770 kc/s	16.88 m	40 kW
	11.730 kc/s	25.57 m	40 kW
PHI 2:	21.480 kc/s	13.96 m	15 kW
PGD	6.025 kc/s	49.79 m	5 kW

Daily Programmes:

This schedule will be changed in the near future. Listeners who want to be kept informed about it should write to Radio Nederland Wereldomroep.

08.30-10.00 *Tuesdays:* The "Happy Station" programme to *Australia* and *New Zealand* on 13.96, 16.88, 19.71 and 49.79 m (English).

09.00-10.15 *Sundays:* Religious service from the Netherlands to *Indonesia, Europe and Africa* on 13.96, 16.88, 19.71, 25.57, 31.28 and 49.79 m (Dutch).

10.15-11.00 *Sundays:* Children's programme to *Indonesia* and the *Far East* on 13.96, 16.88, 19.71 and 49.79 m (Dutch).

09.30-10.00 *Mondays:* Fortnightly broadcast for missionaries in *Indonesia* and the *Far East* on 13.96, 16.88, 19.71 and 49.79 m (Dutch).

10.00-11.00 *Weekdays:* English programme consisting of news, music, talks, features etc. for *Australia* and *New Zealand* on 13.96, 16.88, 19.71 and 49.79 m.
Mondays: Music by Netherlands composers, News.
Tuesdays: Guestbook, Light music, News.
Wednesdays: Music by Netherlands soloists, News.
Thursdays: (Fortnightly) "At the wooden shoe"-cabaret, News, Guestbook.
Fridays: Music by Netherlands orchestras, Indonesian commentary, News.
Saturdays: Light music, Views of a foreign correspondent, "Window on Holland", News.

12.15-15.00 *Daily:* Dutch programme to *Indonesia* and the *Far East* on 13.96, 16.88 and 49.79 m.
Sundays: Forces programme, News, Amsterdam Concertgebouw Orchestra, Footballscores.
Mondays: Forces programme, News, Opera or Light Opera.
Tuesdays: Forces programme, News, Weekly review, Family programme for the merchant navy.
Thursdays: Forces programme, News, Symphonic concert.
Fridays: Forces programme, News, Foreign review, Classic music, Financial review.
Saturdays: Forces programmes, News, Light music.

13.00-14.30 *Daily:* Programme for *Indonesia;* India, Pakistan, Ceylon and the Arab countries, on 19.71 m (Bahasa Indonesian, English, Hindustani and Arabic), consisting of News, Music, Talks, Features.

14.45-15.30 *Daily:* English programme for the *West Indies* on 13.96 m (Dutch), consisting of News, Talks and Features.

15.30-17.00 *Sundays* and *Wednesdays:* The "Happy Station" programme to the *Far East* on 13.96, 16.88, 19.71 and 49.79 m (English, French, Spanish).

17.30-18.30 *Sundays:* Religious Service to *Europe* and *Africa* on 25.57, 31.28 and 49.79 m (Dutch).

17.30-18.30 *Weekdays:* English programme to *Europe* and *Africa* on 25.57, 31.28 and 49.79 m. For details see 10.00-11.00.

18.30-21.00 *Daily:* Dutch programme to *Europe* and *South Africa* on 25.57, 31.28 and 49.79 m. For details (without the Forces programme) see 12.15-15.00.

21.00-22.30 *Sundays and Wednesdays:* The "Happy Station" programme to *South America* on 25.57, 31.28 and 49.79 m (Spanish, French, English).

22.30-23.30 *Weekdays:* Spanish programme for *South America* on 25.57, 31.28 and 49.79 m. For details see 10.00-11.00.

22.45-23.30 *Sundays:* Children's programme for the *West Indies* on 25.57, 31.28 and 49.79 m (Dutch).

23.30-02.00 *Daily:* Dutch programme to the *West Indies* on 25.57, 31.28 and 49.79 m. For details (without the Forces programme) see 12.15-15.00.

02.00-02.25 *Weekdays:* Spanish programme to *Central America* and the *Antilles* on 25.57, 31.28 and 49.79 m, consisting of News and Music.

02.30-03.30 *Weekdays:* English programme to *North America* and *Canada* on 25.57, 31.28 and 49.79 m. For details see 10.00-11.00.

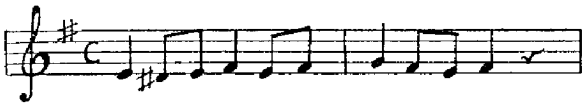
03.00-04.30 *Sundays and Wednesdays:* The "Happy Station" programme to *North America* and *Canada* (English and French).

The "Happy Station" programmes, a special international feature of Radio Nederland Wereldomroep, are of 90 minutes duration. They consist of 1. Musical entertainment linked by polyglot announcements; 2. "Spotlight on Holland", featuring local colour news; 3. Musical interlude; 4. "Mailbag", answering listeners' mail by call to all parts of the world; 5. Musical sign off. Since 1927, with the exception of the war years, these programmes are produced and presented by Edward Startz.

Announcement: An old Dutch folk-song called: "In naam van Oranje". "Hier Radio Nederland via de kortegolfzender PCJ met onze dagelijkse uitzending bestemd voor alle land- en rijksgenoten buiten het vaderland. Goeden morgen, goeden middag en goeden avond Nederlanders, waar okk ter wereld" (Here Radio Netherlands via short wave transmitter PCJ, with our daily broadcast for all Dutch Nationals abroad. Good morning, good afternoon and good night Netherlanders, wherever you are).

News in English: An old Dutch folk-song called: "Wie gaat mee overzee". "This is the international programme service of station PCJ Hilversum Holland, bringing you "News of the Netherlands".

General Interval-Signal: Old Dutch folk-song called: "Merk toch hoe sterck" played on Carillon or Celesta. For all frequencies.



Message to Listeners of "Radio Nederland Wereldomroep": Reports on the listening value and the technical quality of our programmes will be welcomed and should be addressed to: PCJ, P. O. Box 137, Hilversum, Holland. Reports answered by QSL-card, by personal call and by letter.

HUNGARY

Population: 9.100.000. **Listeners:** 508.000.

Address: Head of the International Relations' Department. — Magyar Központi Hiradó Rt. — VIII, Bródy Sándor-utca 5-7 — Budapest — Hungary. —

Leading Personalities: President: Sándor Barcs. Director: István Szirmai. Managing Director: Kálmán Halász. Deputy Programme Director, Head of the Literary Department: Emil Kolozsvári Grandpierre.

Stations:

Radio Kossuth	546 kc/s	549.5 m	135 kW
Radio Petöfi	1040 kc/s	288.5 m	135 kW
Nyiregyháza	1122 kc/s	267.4 m	0.6 kW*)
Magyaróvár	1321 kc/s	227.1 m	0.6 kW*)
Miskolc	1438 kc/s	208.8 m	1,25 kW*)
Pécs	1465 kc/s	204.8 m	1,25 kW*)
Budapest	6247 kc/s	48.02 m	2 kW*)
	9820 kc/s	30.55 m	100 kW**)

*) Relay Radios Kossuth and Petöfi.
**) from 1. April 1950 100 kW.

New frequencies after March 1950:

Budapest I	539 kc/s	556 m	135 kW
Budapest II	1187 kc/s	253 m	135 kW
Nyiregyhaza	1250 kc/s	240 m	10 kW
Žalaegerszeg	1250 kc/s	240 m	20 kW
Budapest Magyaróvár Miskolc Pécs	1340 kc/s	224 m	5 kW

Daily Programme from Radio Kossuth:
Weekdays: 05.00-23.40. *Sundays:* 06.00-23.40.

05.00 For the Villages	10.30 Records
05.30 Morning Music. Records	11.00 Chimes. News
	12.30 News in German
06.00 News. Press Review	13.00 News
06.20 Music. Records	15.00 Radio School
06.45 Talk	15.55 Programme Preview
07.00 Music. Records	21.00 News
16.00 News	23.00 News
16.40 Soviet-Days — Soviet People	23.10 News in French
	23.20 News in English
16.20 Radio Newsreel	23.30 News in Esperanto (Mon. Wedn. Frid. Sun.) Records (Tuesd. Thursd. Sat.)
16.50 News in Russian	
17.00 News in Serbo-Croat	
18.30 For the Villages	
19.00 News	
19.20 News in German	23.40 National Anthem.
19.35 News in Serbo-Croat	

Daily Programmes from Radio Petöfi:
Weekdays: 04.30-10.30, 13.30-22.00. *Sundays:* 07.00-22.00.

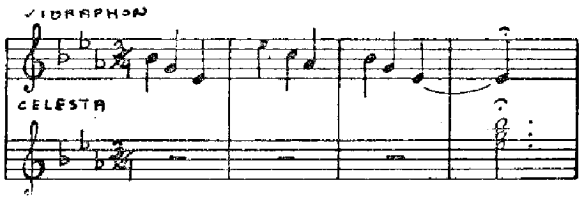
04.30 Morning Music. Records	09.00 News
	09.50 Radio School
05.45 Exercise	18.00 Radio University
06.00 Music. Records	19.20 Radio Newsreel
06.20 For Housewives	20.00 News
06.30 Music. Records	20.40 World Sport News
07.00 News Serbo Croat	21.00 Programme Preview
07.10 Records	22.00 News

Short-Wave:
Hungary's short-wave station, destroyed at the close of World War II, has been rebuilt and has resumed operation, in the form of experimental broadcasts, on the 1st of April 1949 on the frequencies of 6247 and 9820 kc/s with a power of 0.4 kW, relaying the programmes of Radios Kossuth and Petöfi. From the beginning of 1950 the power will be 100 kW. Hours of broadcasting not yet determined; detailed programme schedule now under preparation: *News* in Russian, German (for Austria), German, Serbo-Croat, Slovene, French, English (22.20), Italian, Greek.

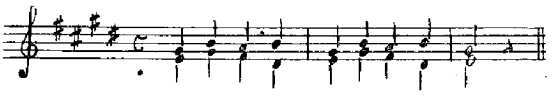
Daily Programmes from 13.00-22.45.

Announcement: Radio Kossuth: "Itt Kossuth Rádió, Budapest". Radio Petöfi: "Rádió Budapest".

Interval-signal: Radio Kossuth:



Interval-signal: Radio Petöfi:



Message to Listeners: Letters and reports on the reception and listening value of our broadcasts are welcomed; they all receive careful consideration and are answered by letter.

ICELAND

Population: 137.750. **Listeners:** 35.550.

Radiopublications: Rikisutvarpid, Reykjavik.

Address: Iceland State Broadcast Service, (Rikisutvarpid), Reykjavik.

Leading Personalities: Director General: Mr. Jonas Thorbergsson, Chief Engineer: Mr. Gunnlaugur Briem. Chairman of Program Council: Mr. Jacob Benediktsson.

Stations:

Reykjavik	TFU	182 kc/s	1648 m	100 kW	
Eidar	TFE	615 kc/s	487.8 m	1 kW	Relay TFU
Reykjavik	TFJ	12175 kc/s	24.64 m	7 kW	

All times are indicated in G.M.T.

New wavelengths after March 1950: TFE — Eidar 611 m (491 kc/s).

Daily Programmes from 09.30-10.20, 13.10-14.15, 16.30-17.30, 19.25-24.00.
News at 09.30, 13.30, 16.30, 21.00, 23.00.
Shortwave transmissions to Icelanders abroad every Sunday at 16.15-16.45.

Announcement: "Utvarp Reykjavik".

Message to Listeners: Reports are answered with special QSL-card. Return postage should be enclosed.

ITALY

Population: 45.500.000. **Listeners:** 2.200.000.

Radiopublications: "Radiocorriere", Via Arsenale 21 — Torino. Via Botteghe Oscure, 54 — Rome.

Address: Radio Italiana — RA. I. Prezidenba — Rome — Via Botteghe Oscure, 54 —
Direzione Generale — Torino — Via Arsenale, 21.
Direzione Generale — Roma — Via Botteghe Oscure, 54.

Leading Personalities: President of the Radio Italiana RAI Rome: On Giuseppe Spataro, M. of P. Director-General Rome: Rag. Salvino Sernesi. Joint General Manager. Turin: Dr. Marcello Bernardi. General Manager Programmes: Mr. Giulio Razzi. General Manager Programmes Radio News: Dr. Antonio Piccone Stella.

Stations: Red Network (Rete Rossa)

Ancona	1429 kc/s	209.9 m	5 kW
Bari I	1059 kc/s	283.3 m	20 kW
Bologna I	1303 kc/s	230.2 m	50 kW
Catania	1104 kc/s	271.7 m	5 kW
Florence II	1104 kc/s	271.7 m	5 kW
Genoa I	1357 kc/s	221.1 m	10 kW
Milan II	1357 kc/s	221.1 m	10 kW
Naples I	1312 kc/s	228.7 m	100 kW
Rome I	713 kc/s	420.8 m	100 kW
Palermo	565 kc/s	531.0 m	10 kW
San Remo	1348 kc/s	222.6 m	5 kW
Turin II	1357 kc/s	221.1 m	20 kW
Venice II	1492 kc/s	201.1. m	5 kW

Stations: Blue Network (Rete Azzurra)

Bari II	1348 kc/s	222.6 m	1 kW
Bologna II	1068 kc/s	280.9 m	1 kW
Bolzano	536 kc/s	559.7 m	20 kW
Florence I	610 kc/s	491.8 m	100 kW
Genoa II	986 kc/s	304.3 m	5 kW
Messina	1492 kc/s	201.1. m	5 kW
Milan I	814 kc/s	368.6 m	50 kW
Naples II	1068 kc/s	280.9 m	1 kW
Rome II	1258 kc/s	238.5 m	5 kW
Turin I	986 kc/s	304.3 m	80 kW
Udine	1258 kc/s	238.5 m	1 kW
Venice I	1222 kc/s	245.5 m	20 kW
Verona	1348 kc/s	222.6 m	1 kW

Autonomous Stations:

Radio Sardegna	536 kc/s	559.7 m	5 kW
Trieste I	1140 kc/s	263.2 m	10 kW
Trieste II	832 kc/s	360.6 m	10 kW

Shortwave Stations:

Busto Arsizio I	9630 kc/s	31.15 m	50 kW
Busto Arsizio IV	6085 kc/s	49.30 m	50 kW*)
Busto Arsizio II	11810 kc/s	25.40 m	50 kW
Busto Arsizio III	15120 kc/s	19.84 m	50 kW
Rome (M. Mario)	7250 kc/s	41.38 m	1 kW
Rome (M. Mario)	7275 kc/s	41.26 m	1 kW

*) In use only in the wintertime.

New frequencies after March 1950:

Catania	566 kc/s	Bolzano	656 kc/s
Palermo	566 kc/s	Florence I	656 kc/s
Naples I	656 kc/s	Rome II	1031 kc/s
Turin I	656 kc/s	Venice I	1031 kc/s
Rome I	845 kc/s	Ancona	1448 kc/s
Milan I	899 kc/s	Florence II	1448 kc/s
Turin II	1034 kc/s	Genoa II	1448 kc/s
Cagliari	1061 kc/s	Milan II	1448 kc/s
Bari I	1115 kc/s	Naples II	1448 kc/s
Bologna I	1115 kc/s	Venice II	1448 kc/s
San Remo	1115 kc/s	Bolzano	1578 kc/s
Genoa I	1031 kc/s	Sardegna	1061 kc/s
Messina	1031 kc/s	Trieste I	1484 kc/s
Pescara	1031 kc/s	Trieste II	1594 kc/s

DAILY PROGRAMMES ON MEDIUMWAVES

RED NETWORK
Weekdays: 05.54-08.00, 10.00-14.35 and 15.55-23.10.
Saturdays: 05.54-08.00 and 10.00-24.00.
Sundays: 06.54-23.10.

Weekdays:
06.00 News, Music
07.00 News
07.20 Light Music
10.00 Music
11.25 Light Music and Song
12.00 News, Music
14.00 News
14.14 Window on the world
16.00 Music
18.35 Universita Internationale "Guglielmo Marconi" (Mon. Wedn. Frid.)
19.30 News
22.10 Oggi al Parlamento, News
22.30 Music

Sundays:
07.00 News, Music
07.45 Per i medici
08.00 Evangelic Service
10.00 Organ Music
10.30 High Mass
11.20 Light Music
12.00 News, Opera Music
16.00 Concert
19.30 News
22.10 News

Highlights of Programmes:
Theatre: 20.03 Mondays. — *Symphony Concert:* 20.30 Wednesdays. — *Variety:* 20.03 Tuesdays and Fridays. — *Dance Music:* 15.30 Saturdays. — *Opera:* 20.03 Sundays.

BLUE NETWORK
Weekdays: 05.54-07.50, 10.00-13.45 and 16.00-23.15
Sundays: 06.54-23.15

Weekdays:
05.54-12.10 see Red Network
13.00 News
16.00 Music or Children's Hour (Tuesd., Wedn., Thursd.)
16.30 Voices from Abroad
17.00 Music
19.00 News
22.10 News
22.30 Music

Sundays:
06.54-12.10 see Red Network
16.00 Music
19.00 News
22.10 News
22.25 Light Music
23.00 News

Highlights of Programmes:
Opera: 19.45 Tuesdays. — *Theatre:* 20.15 Thursdays. — *Symphony:* 20.00 Fridays. — *Variety:* 19.33 Wednesdays and Saturdays. — *Dance Music:* 15.30 Saturdays. —
Interval Signal: Birdchirping.

RADIO BARI:
Address: Radio Bari, Via Putignani 247, Bari.
In *Arabic* daily 15.45-15.55.

RADIO BOZEN
Address: Radio Bolzano (Bozen), Museumstrasse, Bolzano.
Daily Programmes in German for the population of "Südtirol".

Weekdays	11.15-11.45	18.00-18.50	
Sundays:	9.30-10.00	11.05-11.45	19.45-c. 21.00
Wednesdays:	11.15-11.45	17.30-18.50	
Saturdays:	11.15-11.35	18.00-18.50	

Highlights of Programmes.
News: 11.15, 18.30 (Weekdays), 19.45 (Sundays).
Sunday: 10.30 For Farmers, 11.05 Religious service. 19.50 Sports.

All times are indicated in G.M.T.

Tuesday: 18.00 Scenes from daily life.
Wednesday: 17.30 Children's Hour.
Friday: 18.40 International Sport.
Saturday: 11.30 Sports Preview. 18.00 Light Music.

Ladinisches (Rhaeto-Romanic) Programme
every Saturday from 11.00 till 11.15.
At other times Radio Bolzano relays the programmes of the Italian Blue Network.

RADIO TRIESTE I AND II

Address: Ente Radio Trieste, Piazza Oberdan 5, Trieste, Free Territory of Trieste.

Leading Personalities: Mr. Herbert L. Jacobson, Director (American); Mr. Max W. Harrison, Deputy Director (English); Regent (Italian Director) and Technical Director: Dr. Ing. Guido Candussi; Dr. Licio Zellini, Chief of Italian Programmes; Ing. Isidoro Ostan, Chief of Slovene Programmes; Mr. Luigi Fonda, Chief of Administration.

Stations:

Trieste I	1140 kc/s	263.3 m	10 kW	Ital. Progr.
Trieste II	832 kc/s	360.6 m	10 kW	Slov. Progr.

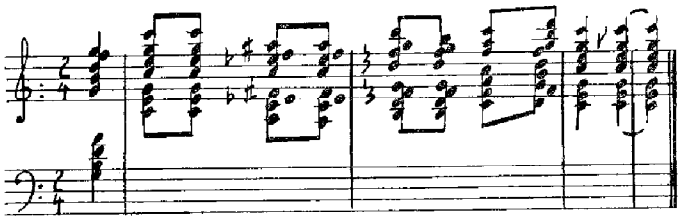
Daily Programmes from Trieste I:
Weekdays: 06.15-07.30, 10.30-14.00, 16.30-23.00
Sundays: 07.00-23.00
News at 06.15 (Weekdays), 07.00 (Sundays), 07.15 (Weekdays), 12.00, 19.00, 22.10.
The Voice of London weekdays at 13.30. — *The Voice of America* weekdays at 17.30. — *Holy Mass* Sundays at 09.00. —

Daily Programmes from Trieste II:
Weekdays: 06.15-07.30, 10.30-13.45, 16.30-23.00
Sundays: 07.00-23.00

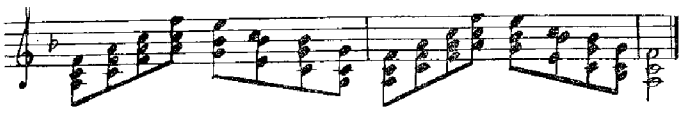
Announcements: *Radio Trieste I* opens the programmes with a musical call (see Interval-signal), which is followed by: "Questa è Radio Trieste prima che transmette sulla lunghezza d'onda di metri 263.3 pari a kilocicli 1140 al secondo. Iniziamo le transmissioni del mattino (meridiane on serali)".
At the beginning and the end of each News Bulletin are the words of the speaker mixed with the letters RTS in Morse.

Radio Trieste II opens the programmes with a musical call (see Interval-signal), which is followed by: "Radio Triest postaja dve. Oddajamo na valovni dolzini 360.6 m ali 832 kc na sekundo. Nase danasnje oddaje so naslednje . . . (follows announcement of the broadcasting hours). Gospe in gospodje, dobro jutro (dober dan, dober vecer). Pricenjamo z jutranjim (opoldanskim, vecernim) sporedom".

Interval-signal:
Trieste I: The motive of a popular Triestine song played on harp.



Trieste II: The motive of a popular Slovene song played on piano.



RADIO SARDEGNA

Daily Programmes in Italian:
Weekdays: 06.30-07.40, 10.00-14.35, 17.55-22.55.
Sundays: 06.55-14.35, 17.15-22.55.
News at 07.00, 12.00, 14.00 (Weekdays), 19.00 and 22.10 (Parliament News).

DAILY PROGRAMMES ON SHORTWAVE
European Service:

Oct.-April: on 15.120 kc and 11.810 kc.
April-Oct.: 11.810 kc and 9630 kc.
10.30-11.05 Mass at the Vatican (Sun.)
12.20-13.20 Relay: Red or Blue Network.
13.20-13.30 Radio Journal.
14.00 News in Slovene
14.15 News in Polish
14.30 News in Hungarian
14.45-15.25 (Sun. 15.00) News in Italian, dictation.
15.00-15.25 A programme devoted to World radio problems broadcast through the interest and the initiative of the Italian Center of Radiophonic Studies, a free institution for the study of broadcasting problems. — Only Sundays alternately in French, Swedish, English and German. One week in French and Swedish and one in English and German.
15.30 News in Rumanian
15.50 News in Yugoslavian
16.05 Special Broadcast to Denmark and Sweden (Danish: Mon., Tues., Wed., Fri. and Sat. Swedish: Thursd. and Sun.)
16.25 Programme in French (Music and News)
17.00-17.30 Programme in Turkish (Music and News)

April-Oct.: On 11810 kc/s and 9630 kc/s
Oct.-April: On 9630 kc/s and 6085 kc/s

18.05-18.40 Programme in German (Music and News)
19.10-19.50 Programme in English (Lessons in Italian, Music, News)
19.50-20.15 Programme in Greek (Music and News)
Oct.-April: On 9630 kc/s and 6085 kc/s
April-Oct.: On 11810 kc/s and 9630 kc/s
20.45-21.30 Special Broadcast to Scandinavia (Swedish: Mond., Tuesd., Wedn., Frid., Sat. Norwegian: Thursd. and Sun.)
21.30-21.45 News in Russian
21.45-22.00 News in Czech.

OVERSEAS SERVICE

On 15120 kc/s and 11810 kc/s
10.00-10.30 Programme to East and the Far East News in Italian, Music, News in English
15.31-15.45 "La Voce d'Italia". To Italians in North America
17.35-18.00 Programme to East Africa. News in Italian and native Languages
22.10-00.25 Programmes to Latin America. Music, News in Portuguese, Spanish and Italian.
Oct.-April: On 15120 kc/s and 11810 kc/s
April-Oct.: On 11810 kc/s and 9630 kc/s
18.40-19.10 Programme to South Africa: News in English and Italian
20.15-20.45 Programme to North Africa: Music, News in Arabic
00.30-01.55 Programme to North America: In English: Music, News
In Italian: Music, News

Message to Listeners: We are very interested in any information received from abroad about our medium and short-wave transmissions. A confirmation card and all requested information are sent to every foreign listener reporting on our transmissions.

All times are indicated in G.M.T.

LUXEMBOURG

Population: 291.000. **Listeners:** 49.000.

Address: Radio Luxembourg, Compagnie, Luxembourgeoise de Radiodiffusion, Villa Louvigny, Luxembourg.

Leading Personalities: President: Mr. Emile Reuter. Vice-president Delegate: Mr. Jasques Lacour-Gayet. Director-General: Mr. René Louis Peulvey. Chief Engineers: Mr. Mathias Felten. Director of Programmes: Mr. André Dubois-la Chartre, London-Office: General Manager: Mr. Frank Lee.

Stations: Radio Luxembourg.

232 kc/s	1293 m	150 kW	
6090 kc/s	49.26 m	5 kW	
9527,5 kc/s	31.49 m	5 kW	inactive.
11782,5 kc/s	25.46 m	5 kW	inactive.
15350 kc/s	19.54 m	5 kW	

On 1293 m: *Weekdays* 05.40-24.00, *Sundays* 06.00-24.00.
On 15350 kc/s: *Daily* 11.00-13.30.
On 6090 kc/s: Daily 18.00-23.00.

Weekdays:
05.45 News, Chronicle
06.15 "Bonjour le Monde"
06.30 Music
06.45 News and Press Review
06.55 Music
07.35 Le Ménage en Musique (For Listeners in Belgium)
09.01 Le Ménage en Musique (Flemish)
10.45 Bringing Christ to the Nations
11.20 Le Luxembourg parle à ses amis de l'Etranger
11.30 Music
12.00 News
12.10 Music
13.00 News
16.30 "Le Passé Temps des Dames et des Demoiselles"
18.00 Progr. in Luxembourgian
18.15 News
21.30 Topical Half Hour

Sundays:
06.00 News, Press Review
06.30 "Bonjour le Monde"
07.00 News
08.00 Catholic Talk
08.15 Music
11.20 Le Luxembourg parle à ses amis de l'Etranger
11.30 Music and Entertainment
12.00 News
18.00 Progr. in Luxembourgian
18.15 News

Highlights of Programmes:
In French:
Theatre: 20.00 Mondays.
Symphony: 20.30 Thursdays.
Geneviève Tabouis "Les Dernières Novelles de Demain": 18.25: Sundays.
In English:
Latest Releases of Records: 22.00 Wedn., 21.30 Sat.
Wintergarden "Rendez-vous": 22.30 Saturdays.
The Gracie Field Show: 17.15 Sundays.
The Sam Costa Show: 17.30 Sun.
The Jack Jackson Show: 21.00 Sundays.
The Voice of Prophecy: 16.00 Tuesdays.
Bringing Christ to the Nations: 10.30, 22.00 Saturdays.
Hollywood Calling — The Stars of Metro-Goldwyn: 14.00 Sun.
In Swedish: Tuesdays 19.15-19.30: "Filadelfiakirche" on 6090 kc/s.

Announcements: Sundays in French and English, Weekdays in French, English and German.

Interval-signal: Melody played on piano: A Luxemburgian popular song.

Radio Luxembourg: English Announcer Teddy Johnson, who can be heard in "Music for everyone" at 22.00 Mo. and "Your questions answered" at 22.30 Tuesd.

Opening tune: "The Count of Luxembourg".
Closing tune: "It's Time to Say Goodnight".

Message to Listeners: We are very interested in any information received from abroad about our long- and short-wave transmissions. We attach much importance to these listeners' reports and we invite them to write to us and frankly give us their opinion on our programmes. Reports received from listeners are answered by QSL letter. Return postage need not be enclosed.

MONACO

Population: 40.000. **Listeners:** 10.000.
Advertising allowed.
Address: Radio Monte Carlo, 16 Boulevard Princesse Charlotte, Monte Carlo.
Leading Personalities: Chairman of Board of Directors: Mr. A. Crovetto. Director General: Mr. M. Robert Schick. Chief Editor: M. Marc Mussier. Head of Administration: Mr. de la Panouse. Director of Programmes: Mr. Florent Fels. Chief Engineer: Mr. Fromaget. Head of Publicity Dept.: Mr. R. H. Dogor.
Stations: Radio Monte Carlo.

959 kc/s	313 m	120 kW	7350 kc/s	40.80 m	25 kW
9785 kc/s	30.65 m	25 kW	6035 kc/s	49.71 m	25 kW

New medium-waves after March 1950: 1466 kc/s 205 m
Daily programmes in *French: Weekdays:* 06.00-08.00, 11.00-13.00, 17.25-22.15. *Sundays:* 06.00-13.00, 17.45-22.15.
On 313 m: All Programmes.
On 7350 kc/s: All Programmes.
On 9785 kc/s: Morning and noon programmes.
On 6035 kc/s: Evening programmes.

06.00 News
06.15 Musette-Music
07.00 News
07.15 Music
12.00 News
18.30 News
18.40 Music
20.45 News
20.51 Various
22.00 News

Highlights of Programmes:
"Les Disques que vous aimez", concert à la demande des auditeurs: 19.00 Mondays.
Variety: 19.00 Tuesdays.
"Christo per tutte le Nazioni" (Italian): 17.45 Wednesd.
"L'orchestre de l'Opera de Monte-Carlo": 20.10 Wedn.
Theatre. 19.45 Thursdays.
Variety: 19.45 Fridays.
"L'Ecran Sonore" (Film magazine with interviews): 19.00 Saturdays.

All times are indicated in G.M.T.

Luxemburg Monaco Teddy Johnson

Opera or Operetta: 20.00 Sundays.
Monte Carlo calling: Records presented in English: 21.00 Sundays.

On Shortwave:
The s. w. programmes are composed of relays of certain of the m. w. transmitter's broadcasts plus some autonomous broadcasts peculiar to the s. w. transmitters. The broadcasts common to these two programmes are the news bulletins and commentaries, concerts, theatrical broadcasts, in generally speaking, all non-commercial broadcasts. On the s. w. programmes a part of the commercial programme is replaced by broadcasts of serious or light music.

Announcement: "Ici Monte Carlo", Longueurs d'ondes: 313 m en ondes moyennes et 49m.71 et 30m.65 en ondes courtes Bonjour Mesdames, Bonjour Mesdemoiselles, Bonjour Messieurs, nos émissions commencent, en voici le programme .....

Interval Signal: Before and after every transmission period: 06.00, 11.00 and 18.00 is played "L'Hymne Monegasque":

Message to Listeners: Reports are answered by QSL-cards.

NORWAY

Population: 3.200.000. **Listeners:** 700.400.

Radiopublications: "Programbladet" published weekly by "Norsk Rikskringkastning". Editor: Mr. Arthur Klæbo.

Address: Norsk Rikskringkastning, Oslo.

Leading Personalities: Director: Mr. Kaare Fostervoll. Directors of Programmes: Mr. Thorstein Diesen. Director of Administration: Mr. Knut Tvedt. Chief Secretary: Mr. Olav Lid. Studio-Controller: Mr. Arthur Klæbo. Programme-Editors: Mr. Toralv Øksnevad, Mr, Carl C. Lyche, Mr. Fr. Chr. Wildhagen, Mr. Leif Rustad. Chief of Music Dept.: Mr. Hugo Kramm. Chief of Plays: Mr. Gunnar Neels-Hansson. Chief of Short-wave Programmes: Mr. Gunnar Nygaard.

Stations:

Bodö	LKD	253 kc/s	1186 m	10 kW
Bergen I	LKB	260 kc/s	1154 m	20 kW
Oslo	LKO	260 kc/s	1154 m	60 kW
Tromsø	LKM	292 kc/s	1027.4 m	10 kW
Finmark (Vadsø)	LKI	347 kc/s	865 m	20 kW
Bergen II	LLE	355 kc/s	845 m	1 kW
Hamar	LKH	519 kc/s	578 m	1 kW
Vigra	LKA	629 kc/s	476.9 m	100 kW
Kristiansand	LKK	629 kc/s	476.9 m	20 kW
Trøndelag	LKT	823 kc/s	364.5 m	20 kW
Stavanger	LKS	850 kc/s	352.9 m	100 kW
Namsos	LLB	961 kc/s	312.2 m	1 kW
Porsgrunn	LKP	1222 kc/s	245.5 m	1 kW
Narvik	LKP	1222 kc/s	245.5 m	0.3 kW
Frederikstad	LKF	1276 kc/s	235.1 m	10 kW
Notodden	LKN	1294 kc/s	231.8 m	1 kW
Lista	LKR	1294 kc/s	231.8 m	0,3 kW
Fåberg		1348 kc/s	222.6 m	0,25 kW
Geila		1348 kc/s	222.6 m	0,25 kW
Odda		1348 kc/s	222.6 m	0,25 kW
Mosjöen	LKR	1357 kc/s	221.1 m	0,025 kW
Rjukan	LKR	1357 kc/s	221.1 m	0,25 kW
Tromsø	LLS	7210 kc/s	41.61 m	10 kW
Tromsø	LKJ	9540 kc/s	31.45 m	10 kW
Frederikstad	LLG	9610 kc/s	31.22 m	10 kW
Frederikstad	LLH	9645 kc/s	31.10 m	10 kW
Frederikstad	LKQ	11735 kc/s	25.56 m	10 kW
Frederikstad	LKV	15170 kc/s	19.79 m	100 kW
Frederikstad	LLN	17825 kc/s	16.83 m	10 kW
Oslo	LLP	21670 kc/s	13.85 m	5 kW

New frequencies after March 1950:

Tromsø	155 kc/s	10 kW	Kristiansand	890 kc/s	20 kW
Oslo	218 kc/s	200 kW	Tröndelag	890 kc/s	20 kW
Hamar	520 kc/s	1 kW	Stavanger	1313 kc/s	100 kW
Vigra	629 kc/s	100 kW	Frederikstad	1578 kc/s	10 kW
Bodö	674 kc/s	10 kW			
Finmark	701 kc/s	20 kW			
Bergen I	890 kc/s	20 kW			

DAILY PROGRAMMES: *On Long-, Medium- and partly Short-Waves:* Monday to Friday: 06.15-07.30, 10.20-13.00, 15.30-22.00. Saturday: 06.15-07.30, 10.20-23.00. Sunday: 08.00-23.00

Weekdays:	*Sundays:*
06.15 Exercise, Music	08.05 News
07.05 News	08.10 Program Preview
07.30 Program Preview	10.00-11.30 Religious Service
12.05 News	11.30-12.00 Records
18.05 News	12.05 News
21.10 News	18.05 News
	21.10 News

Bergen II: Daily Regional Programmes: Weekd. 11.00-11.30, 16.00-18.00. Sun.: 15.00-18.00.
Tromsø on 6130 kc/s, 1026.4 m and Finmark on 865 m: Tuesday and Friday 15.15-15.30: Progr. in *Samisk* (a dialect in northern Norway). Announcement: "Dak la Norga Rikaradio, Tromast. Di gullabetet Samegiel' programma".

Highlights of Programmes:
Popular Concert: Sundays: 18.30 or 19.00-20.30 mainly Norwegian music.
Symphony Concert: Wedn. and partly Thursd. at 19.00.
Play: Thursd. or Fri. 19.00. *"The Wide World":* Wedn. 20.40.

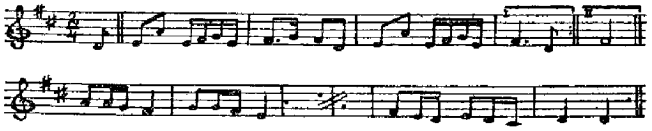
DAILY PROGRAMMES. On shortwaves.
Daily: 01.00-02.00. For North American Waters, North Atlantic in 19, 25 and 31 m. b.
Weekd.: 06.30-07.30. *Sundays* 07.55-10.50. Home Service and for African Waters, South Atlantic in 13, 16, 19, 25 and 31 m. b.
Weekd.: 10.20-12.40. Home Service, N. Atlantic, N. Sea in 31 and 41 m. b.
Daily: 11.00-12.00. For the Far East in 13, 16, 19, 25 and 31 m. b.
Daily: 13.00-14.00. For Indian Ocean in 13, 16, 19, 25 and 31 m. b.
Sun.: 15.00-18.40. Home Service for African Waters and South Atlantic in 13, 16, 19, 25 and 31 m. b.
Weekd.: 16.00-22.00. *Sun.:* 15.00-22.00. Home Service, N. Atlantic, N. Sea in 31, 41 m. b.
Weekd.: 17.30-18.40. *Sun.:* 15.00-18.40. Home Service and for African Waters, South Atlantic in 13, 16, 19, 25 and 31 m. b.
Daily: 19.00-20.00. For African Waters, South Atlantic in 13, 16, 19, and 31 m. b.
Daily: 20.00-22.00. Home Service and African Waters, South Atlantic in 13, 16, 19, 25 and 31 m. b.
Daily: 23.00-24.00. For South America in 19, 25 and 31 m. b.
Saturdays: Overseas progr. include a mailbag progr. (Answering letters from listeners). Sunday-evening a religious service for seamen.

Announcements: Mediumwaves: "Dette er Norsk Rikskringkasting". — Shortwaves: "This is Radio Norway with its shortwave service for Norwegians abroad" followed by mention of frequencies. — In the beginning of each transmission: "In this broadcast we usually include a concert of Norwegian music of various kinds

towards the end of the transmission and you will hear ..... in approximately ..... minutes«.

Interval-Signal: For all long- and mediumwaves:

Every *shortwave-transmission* to Norwegians abroad is introduced by a Norwegian folkmelody from Hallingdal:



Message to Listeners: Reports are answered by QSL-cards — and by radio Saturday evening.

POLAND

Population: 23.800.000. **Listeners:** 1.000.000.

Radiopublications: Weekly "Radio i swiat", Warsaw. — Monthly: "Radio", Warsaw.

Advertisements are allowed.

Address: Polskie Radio, Foreign Liaison, Koszykowa 8, Warsaw.

Leading Personalities: Director General: Mr. Wilhelm Billig. — Deputy Director General: Mr. Zygmunt Klopotowski. — Secretary General: Mr. Konrad Zawadzki. — Director of Programmes: Mr. Zygmunt Mlynarski. — Technical Director: Mr. Wladyslaw Cetner. — Chief Engineer: Mr. Wladyslaw Rabecki. — Assistant Director, Foreign Relations: Mr. Stanislaw Waskiewicz. — Chief Editor, Exchange of Programmes: Mr. Jerzy Sokolow.

Stations:

Warsaw Central	224 kc/s	1339.3 m	200 kW	Central
Warzaw II	758 kc/s	395.8 m	50 kW	Nat. and Local
Gdansk	278 kc/s	1078 m	1 kW	Local
Poznan	868 kc/s	345.6 m	6 kW	Regional
Wroclaw	950 kc/s	315.8 m	50 kW	Regional
Torun	986 kc/s	304.3 m	24 kW	Regional
Cracow	1022 kc/s	293.5 m	10 kW	Regional
Gliwice	1231 kc/s	243.7 m	10 kW	Regional
Lodz	1339 kc/s	224.0 m	10 kW	Regional
Szczecin	1384 kc/s	216.8 m	1 kW	Local Fr. Dec. 50 kW
Warsaw III	6215 kc/s	48.25 m	7,5 kW	Foreign Service
Warsaw III	9528 kc/s	31.49 m	7,5 kW	

New wavelengths after March 1950:

Warsaw Central	227 kc/s	1321 m	200 kW	Central
Warsaw II	818 kc/s	366 m	50 kW	Nat. and Local
Gdansk	1304 kc/s	230 m	1 kW	Local
Poznan	1205 kc/s	248 m	6 kW	Regional
Wreclaw	1079 kc/s	278 m	50 kW	Regional
Torun	1367 kc/s	219 m	24 kW	Regional
Krakow	1502 kc/s	200 m	10 kW	Regional
Gliwice	737 kc/s	407 m	10 kW	Regional
Lodz	1484 kc/s	202 m	10 kW	Regional
Szczecin	1259 kc/s	238 m	50 kW	Foreign Service
Warsaw III	6215 kc/s	48.25 m	7,5 kW	Regional

Daily Programmes for Home:

The National Programme on 395.8 m is broadcast by Warsaw II: *Weekdays* from 04.10-07.35, 12.25-23.00. *Sundays* from 05.50-23.00.

The Central Programme on 1339.3 m is broadcast by Warsaw Central. *Weekdays* from 07.35-12.25, 15.00-23.00. *Sundays* from 07.00-23.00.

National Programme (395 m)

Weekdays:
04.15 News, Music, Progr. Preview
05.30 News, Music
07.00 News, Radio University
12.30 Music, Talks
13.15 Music
14.30 For Children
15.00 News, Local News
16.00 Music
16.45 Mo.-Fri. For the Youth
17.00 Commentary, Reportage
17.40 Radio University
18.15 Mo.: Opera or Music. Tuesd.: Music (every 2nd Tuesd.: Symphony Concert) Wedn., Sat.: Music. Thursd.: Radio Plays Fri.: Symphonic Concert
19.00 Radio Journal
20.00 Music Mo.: Opera or Music Tuesd.: Symph. Concert Wedn.: Chopin Concert
20.40 Litterature
21.00 Dance Music (Mo. Opera)
22.00 News
22.15 Night Concert
23.00-02.00 News for the press. Dictation

Sundays:
05.50 Progr. Preview
06.00 For the Country
06.15 Music
07.00 News
08.00 Religious Service
09.20 Music
11.00 Bugle Call
11.04 News, Music
12.15 Regional Programme
14.15 Concert for Children
15.00 News, Music
17.00 Radio Play
19.00 Journal
20.00 Music
20.40 Sport of Poland
21.00 Music
22.00 News, Music

Central Programme on 1339.3 m

Weekdays:
07.30 Programme Preview
07.55 Mo., Wedn., Sat.: For Schools
08.15 Radio University
08.35 Music
09.55 For Schools
11.00 Bugle Call from Krakow
11.04 News, Press Review
11.30 For the country
15.00 News
15.20 Music "The Composer of the Week"
17.00 Thursd.: Concert (light type)
17.20 Mo., Wedn., Fri.: "Novel" Tuesd., Sat. "For Women"
19.00 Radio Journal
19.40 Music
20.00 Wedn.: Chopin Concert
20.30 Mo., Thursd.: Symphony Concert
22.00 News, Music

Sundays:
07.00 News, Music
11.00 Bugle Call
11.15 Symphony Concert
15.00 News
16.00 Opera
19.00 Journal
20.40 Sport News of Poland
20.55 Music
22.00 News, Music
22.55 Pr. Pr. for the next Day
23.00 Classical Music

Daily Programmes for Foreign Service from Short Wave Station Warsaw III on 6315 kc/s.

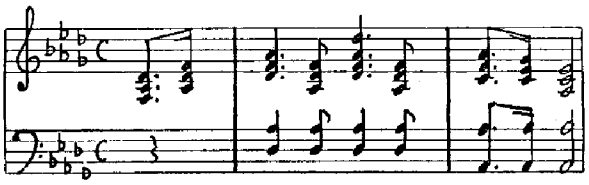
2/4-3/10	3/10-2/4	
06.00 08.55	06.00-08.55	Daily (Exc. Sun.: Relay Central Progr. on 31.49 m)
08.00-11.00	08.00-11.00	Sun.: Relay Central Programme on 31.49 m
11.57-16.00	11.57-16.00	Sun.: Relay of Central Programme on 31.49 m
17.00-17.45	17.00-17.45	Mo., Tuesd., Wedn., Fri., Sun.; Relay Central Progr.
17.00-17.15	17.00-17.15	Thursd., Sat.: Relay Central Programme
17.15-17.30	17.15-17.30	Thursd.: Rumanian
17.15-17.30	17.15-17.30	Sat.: Hungarian
17.30-17.45	17.30-17.45	Thursd., Sat.: Greek
17.45-18.00	17.45-18.00	Daily: Czechoslovakian

All times are indicated in G.M.T.

18.00-18.20	18.00-18.20	Daily: Russian
18.20-18.30	18.20-18.30	Daily: Music
18.30-18.45	18.30-18.45	Daily: Bulgarian
18.45-19.00	18.45-19.00	Daily: Yugoslavian
19.00-21.00	19.00-21.00	Daily: Relay Central or Warsaw II Programme (incl. music, feature programmes, radio-plays)
21.00-21.30	21.00-21.30	Daily: For Poles Abroad
21.30-21.50	21.30-22.00	Daily: English
21.50-22.10	22.00-22.30	Daily: French
22.10-22.25	22.30-22.45	Mo., Fri.: Spanish
22.10-22.25	22.30-22.45	Tuesd., Thursd., Sat, Sun.: Yiddish
22.10-22.25	22.30-22.45	Wedn.: Esperanto
22.25	22.45	Daily, exc. Thursd.: Relay Central Programme (incl. music, news at dictation speed by Polish Press Agency)

Announcement: The Polish foreign service begins every day with the reveille of "Service for Poland". Short-wave in English: "This is Warsaw calling on the 48.25 meter band. We begin our daily broadcast in English. Here is the news . . ."

Interval-Signal: Warsaw II and III:



Warsaw Central: First movement of A flat-major. Polonaise of Chopin.

Message to Listeners: Reports from Listeners are answered by special QSL-cards as well as by letter. Return postage should not be enclosed.

PORTUGAL

Population: 8.000.000. **Listeners:** 172.000.

Radiopublication: "RADIO NACIONAL", Rua do Quelhas, 2 — Lisbon Editor: Mr. Henrique Forjaz Trigueiros.

EMISORA: NACIONAL DE RADIODIFUSAO.
Address: Rua do Quelhas, 2 — Lisbon.

Leading Personalities: President: Mr. Antonio Ferro. Chief-Engineer: Engineer Manuel Bivar. Administrator: Dr. Jorge Felner da Costa. Production Manager: Engineer da Silva Dias. Station Manager: Engineer Fernando da Cunha d' Eca. Studio-Manager: Engineer Henrique Leotte Tavares. Chief for the Administrative Bureau: Dr. José do Carmi Carrilho.

Stations:
Medium-waves:

Lisbon I	CS2M	629 kc/s	476 m	50 kW	National
Lisbon II	CS3M	722 kc/s	415 m	20 kW	Regional
Faro	CS6M	1330 kc/s	225 m	1 kW	National (South)
Oporto I	CS4M	1411 kc/s	212 m	1,5 kW	National (North)
Coimbra I	CS5M	1429 kc/s	209 m	0,25 kW	National (Middle)
12 low power stations		1547 kc/s	193 m	0,20 kW	

Shortwaves: Atlantico.

CS2MQ	15160 kc/s	19.79 m	10 kW	National Overseas Service
CS9MB	11090 kc/s	27.05 m	1 kW	Azores Regional
CS2MK	11027 kc/s	27.20 m	10 kW	Overseas Service
CS2MF	9724 kc/s	30.85 m	10 kW	Overseas Service
CS2MA	6374 kc/s	47.07 m	10 kW	Overseas Service
CS2MQ*	6360 kc/s	47.17 m	10 kW	National
CS9MC*	4845 kc/s	61.92 m	1 kW	Regional

* Ponta Delgada, Azores.

New frequencies after March 1950:

Lisbon I	719 kc/s
Oporto	755 kc/s
Radio-Clube Portugues	1034 kc/s
Lisbon II	1061 kc/s
Atlantico-Regional	1214 kc/s
Radio Catolica	1286 kc/s
Oporto Regional	1367 kc/s

DAILY PROGRAMMES FOR HOME

Lisbon I: *Weekdays:* 08.30-10.00, 12.00-14.00 and 18.30-24.00.
Sundays: 08.30-10.00, 11.30-24.00.
News: 08.35, 13.00, 19.00, 21.00, 23.50.
Dance Music: 18.30 and 23.15.

Lisbon II: *Daily* 20.00-24.00. (During football-season 15.45-24.00 on Sun.)

Oporto I (N. National), Coimbra (Middle National), Faro (S. National):
Weekdays: 12.00-14.00, 18.30-24.00. *Sundays:* 11.30-24.00.

Atlantico:
On 15160 kc/s: *Weekdays:* 12.00-14.00, *Sundays:* 12.00-18.00.
On 6360 kc/s: 18.30-24.00 *Sundays:* 18.00-24.00

Highlights of Programmes: (On medium-waves).
Symphony Concert: 21.45 Thursd. — *Chamber Music:* 21.30 Tuesd. — *Play:* 22.00 Fri. — *Variety:* 22.00 Mon. — *Guitar-Concert* 23.00 Sun.

DAILY PROGRAMMES FOR OVERSEAS SERVICE (in Portuguese).
On 15160 kc/s: 14.45-16.45, 17.30-20.30, 21.00-23.00.
On 11027 kc/s: 17.30-20.30, 21.00-23.00.
On 9724 kc/s and 6374 kc/s: 00.00-01.30.
14.45-16.45 on 15160 kc/s: Exp. prog. for Orient.
17.30-20.30 on 15160, 11027 kc/s: Progr for Africa.
21.00-23.00 on 15160, 11027 kc/s: Progr. for Brazil, Guinea, Cap Verde.
00.00-01.30 on 9724, 6374 kc/s: Progr. for U. S. A., North Atlantic.
Programme consists of Progr. Preview - Music - News - Theatre and Talks.

Announcement: *Mediumwaves:* "Lisboa — Emissora Nacional, a trabalhar com os emissores de . . . (Lisboa I, Lisboa II, Porto, Coimbra, Faro) e a estaçao de Ondas Curtas em . . ."
Short-waves: "Aqui Lisboa — Estaçao de Ondas Curtas da Emissora Nacional, a trabalhar nos comprimentos de onda de . . . (19.79-27.21-30.85 or 47.06) nas frequências de . . . (15.160-11.027-9.724 or 6.374)".
Interval-Signal: Gong.

Message to listeners: Reports are answered by QSL cards or letters.

RADIO CLUBE PORTUGUES, PAREDE

Leading Personalities: Director: A. Lima Basto.
Stations: Parede.

CSB2	1068 kc/s	280 m	20 kW
CSB51	12865 kc/s	23.32 m	10 kW

Daily Programmes in *Portuguese* on 281 m and 23.32 m, 11.45-14.00 (Sund. 14.30) and 19.00-24.00.

Announcement: Rádio Club Português-Parade-Portugal.
Message to Listeners: Reports answered by QSL-card.

RADIO RENASCENCA

Address: Emisora Católica Portuguesa, Rua Capelo 5, Lisbon.

Leading Personalities: Director: Mr. Manuel Lopes da Cruz. Cooperators: Father Domingos de Oliveira Costa Maia and Father Manuel Pires Moreira. Chief-Engineer: Mr. Francisco Bordalo Machado.

Stations: Radio Renascenca

Lisbon	1321 kc/s	227.1 m	1 kW
Oporto	1348 kc/s	222.6 m	1 kW
Lisbon	6154 kc/s	48.74 m	5 kW

Daily Programmes 17.00-23.00 (Sundays also 10.15-12.00).

Announcement: In Portuguese: "Aqui Rádio Renascenca, Emisora Católica Portuguese". In English: "This is the Portuguese Roman Catholic Broadcasting System". All transmissions open with religious choir.

Interval-Signal: Gong.

RUMANIA

Address: Comitetul pentru Radioficare si Radiodifuziune pe lânga Consiliul de Ministri al Republicii Populare Române — Bucuresti, II — Strada A. St. Popov No. 41.

Leading Personalities: President: Matei Socor; Vice-Presidents: Paul Luchian, Milu Vieuru, Victor Câmpeanu; Members of the Comitee: Iosif Ardeleanu, Naftali David, Ing. Ernest Gross, Stan Ionica, Mauriciu Vescan.

Stations:

Romania (Brasov)	160 kc/s	1875 m	150 kW
Temisoara	556 kc/s	539.6 m	1 kW
Bucarest I	823 kc/s	364.5 m	12 kW
Bucarest II	1053 kc/s	285 m	5 kW
Bucarest Exp. S. W.	5990 kc/s	50.08 m	0,075 kW
Romania Libera	6210 kc/s	48.31 m	5 kW
Radio Dacia Romania	9252 kc/s	32.43 m	4 kW
Radio Dacia Romania	11900 kc/s	25.21 m	0,075 kW

Daily Programmes for **Radio Romania and Bucarest I:** *Weekdays:* 04.00-06.00, 10.30-13.30 and 16.00-22.00. *Sundays:* 05.30-22.00.

Daily Programmes for Bucarest II: *Weekdays:* from 11.00-21.00. *Sundays:* from 05.30-11.00, 16.00-21.00.

Daily Programmes for *Timisoara* from 10.00-11.00, 18.00-20.00. News and Music in Rumanian and Serb./Croat.

Highlights of Programmes on 1.875 and 364,5 meters:
Symphony Concert: 18.15-20.00 Thursdays — 09.00-11.00 Sundays.
Opera: 18.15-20.00 Frydays.
Roumanian people's and various music: 14.15-14.30; 11.30-11.45; 15.45-16.00.

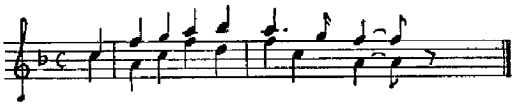
Daily Programmes (News and Commentary) on 11900 kc/s, 9252 kc/s, 6210 kc/s from 11.45-12.00 and 18.30-21.33.

11.45-12.00 Greek only (48.31, 32.43)	19.00 German, Music
	19.30 Russian, Music
18.00 Greek, Music	20.00 English Music
18.30 Serb./Croat, Music	20.30 French, Music

Announcement in English: "Here is Free Roumania broadcasting station "Radio România Libera" and the Roumanian short wave stations." — "Free Roumania broadcasting station "Roumânia Libera" and the Roumanian short wave stations calling listeners everywhere, on 25.21, 32.48 and 50.08 meters."

Interval-Signals: Radio Romania and Bucarest I: The first 8 notes of "Imnul Romaniei Libere" (Free Rumania Hymn).

Radio Romania Libera:



Message to Listeners: Reports are answered.

SPAIN

Listeners: 28.000.000. **Listeners:** 1.500.000.

Radiopublications: Sintonia, (Fortnightly), Madrid. — Radio Nacional de Espana — Bulletin, Madrid (Monthly) — Altavoz, La Voz de la Falange. (Irreg.) — Radioelectricidad, Madrid (Monthly).

Stations: Mediumwave:

Madrid	EAJ-7	686 kc/s	437.3 m	18 kW
Sevilla	EAJ-5	731 kc/s	410.4 m	10 kW
Madrid R. N. Esp.	EAJ-2	758 kc/s	395.8 m	3,5 kW
Barcelona	EAJ 1	795 kc/s	377.4 m	10 kW
Zaragoza	EAJ-10	850 kc/s	352.0 m	30 kW
Malaga	EAJ-9	940 kc/s	320 m	0,2 kW
R. N. Coruna R. N. Esp.		968 kc/s	309.0 m	20 kW
R. N. Madrid Arganda R. N. Esp.		1022 kc/s	293.5 m	120 kW
Madrid Local R. N. Esp.		1022 kc/s	293.5 m	5 kW
San Sebastian	EAJ-8	1068 kc/s	280.9 m	2,5 kW
Barcelona ..	EAJ-15	1123 kc/s	267.1 m	3,0 kW
Bilbao	EAJ-28	1131 kc/s	265.3 m	2,5 kW
Asturias (Oviedo)	EAJ-19	1258 kc/s	238.5 m	0,2 kW
Valencia	EAJ-3	1258 kc/s	238.5 m	5 kW
Badalona	EAJ-39	1294 kc/s	231.9 m	0,5 kW
Valladolid	FET-1	1300-kc/s	230.7 m	1 kW
La Coruna	EAJ-41	1372 kc/s	218.0 m	0,04 kW
Mallorca	EAJ-13	1435 kc/s	209.0 m	0,2 kW
Radio Galicia	EAJ-4	1447 kc/s	207.3 m	0,2 kW
Alicante	EAJ-31	1447 kc/s	207.3 m	0,2 kW
Granada	EAJ-16	1447 kc/s	207.3 m	0,2 kW
Castilla (Burgos)	EAJ-27	1447 kc/s	207.3 m	9,0 kW
Cordoba	EAJ-24	1450 kc/s	207.0 m	0,2 kW
Alcira	EAJ-54	1492 kc/s	201.1 m	0,2 kW
Cadiz	EAJ-59	1495 kc/s	201.0 m	0,2 kW
Gijon	EAJ-34	1492 kc/s	201.1 m	0,2 kW
Huelva R.N.Esp.	FET-20	1485 kc/s	201.9 m	1,5 kW
Linares	EAJ-37	1492 kc/s	201.1 m	0,2 kW
Vigo	EAJ-48	1492 kc/s	201.1 m	0,2 kW
Alcoy	EAJ-12	1492 kc/s	201.1 m	0,8 kW
Almeria	EAJ-60	1492 kc/s	201.1 m	2,5 kW
Cuenca R.N.Esp.	EAJ-7	1500 kc/s	200.0 m	0,2 kW
Leon	EAJ-63	1500 kc/s	200.0 m	0,2 kW
Lugo	EAJ-68	1500 kc/s	200.0 m	0,5 kW
Onteniente	EAJ-30	1500 kc/s	200.0 m	0,2 kW
Pontevedra	EAJ-40	1500 kc/s	200.0 m	0,2 kW
Reus	EAJ-11	1500 kc/s	200.0 m	0,2 kW
Salamanca	EAJ-56	1500 kc/s	200.0 m	0,2 kW
Segovia	EAJ-64	1500 kc/s	200.0 m	0,2 kW
Toledo	EAJ-49	1500 kc/s	200.0 m	0,2 kW

29 more smallpower stations on synchr. wavelengths — R. N. Esp. = Radio Nacional de Espana.

Stations: Shortwave:

Valladolid	FET-1	7006 kc/s	42.83 m	0,45 kW
Malaga	EAJ-9	7144 kc/s	41.99 m	0,2 kW
R. Mediterraneo	EAJ-3	7037 kc/s	42.63 m	1 kW
Oviedo	FET-22	7127 kc/s	42.05 m	0,25 kW
Madrid (S.E.U.)	EDV-10	7171 kc/s	41.84 m	1,0 kW
Menorca		7550 kc/s	39.74 m	0,5 kW
Alicante	FET	7940 kc/s	37.78 m	1,2 kW
Madrid	R.N.Esp.	9368 kc/s	32.02 m	40 kW
Madrid	R.N.Esp.	15636 kc/s	19.17 m	40 kW

RADIO NACIONAL DE ESPANA

Address: Radio Nacional de Espana, Calle de Lopez de Hoyos No. 6, Madrid.
Direccion General de Radiodifusion: Montesquinza No. 2, Madrid.

Leading Personalities: Director General: Mr. D. Alfredo Guijurro Alcocer, Sub-Director General: Mr. D. Gines de Albareda Herrera. Director of Programmes and Broadcasts: Mr. E. Thomas de Carranza. Chief-Engineer: Excmo. Mr. D. Luis Guijarro Alcocer. Secretary General: Ilmo Mr. D. Valentin Perez Carasa.

Stations:

Malaga	940 kc/s	320 m	Huelva	1485 kc/s	201.9 m
La Coruna	968 kc/s	309.9 m	Cuenca	1500 kc/s	200.0 m
Madrid Arg.	1022 kc/s	293.5 m	Madrid	9368kc/s	32.02 m
Madrid Local	1022 kc/s	293.5 m	Madrid	15636 kc/s	19.18 m

Daily Programmes: on 293.5 m from 07.00-10.00 and 12.00-24.00. Until 19.30 Madrid Local. From 19.30 Madrid Arganda. On 9368 kc/s from 12.00 16.00.

News in Spanish: 07.15, 07.45, 08.15, 13.30, 18.00, 20.45, 23.00. The News at 13.30 and 20.45 is relayed by all stations.

Highlights of Programmes on 293.5 m:
Theatre: Mo. 21.15 and Frid. 21.30
"Fiesta en el Aire". Sat. 21.30
Symphony Concert: Daily at 17.00, Sun. 22.00
Religious broadcast: "Veritas" Tuesd. 22.00
Relay of Vatican R: Tuesd. 20.00

European and African Service.
On 9368 kc/s from 12.00-16.00, 17.30-22.00.
12.00-16.00 Relay of m. w. 293 m

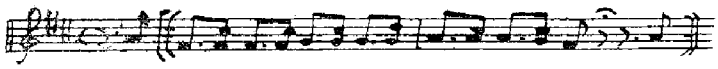
17.30 ITALIAN	20.00 HUNGARIAN
17.45 ROUMANIAN	20.15 ENGLISH
18.00 PORTUGUESE	20.45 SPANISH
18.20 RUSSIAN	21.30 GERMAN
19.00 FRENCH	21.45 ARABIC
19.30 POLISH	

These broadcasts consist of news, music, press commentaries, talks. On Sundays mainly of music both Spanish and foreign, with a short preceeding news summary.

Overseas Service:
In Spanish to Latin-America on 9368 kc/s from 23.50-03.05.
Progr. consists of News, Spanish Music, and Variety.
In Spanish to the Philippines on 9368 kc/s from 22.15-22.30.
In *English* on 9368 kc/s to North America from 23.00-23.30.

Short Wave: At opening and close down for all the *European* transmissions except the Russian are played: "Cabalgata Militar" and for the Russian transmission extract of the Polonaise of "Eugen Onegin" Opera by Tschaikowsky. — At opening of the transmission to *America* are played notes from "Cabalgata Militar" and at close down: "Los Voluntarios". The text of announcement is: "Aqui Radio Nacional de Espana emitiendo para los paises de America desde la otra orilla del Atlantico".

Interval-Signal: Gong and following tune:



SOCIEDAD ESPANOLA DE RADIODIFUSION

Address: Avenida de José Antonio 32, Madrid.
Leading Personalities: General Manager: Mr. Alfredo Ginjirro.
Stations and hours of transmissions:
Mediumwaves:

Madrid	686 kc/s	from 12.00-16.00, 20.00-24.00
Sevilla	731 kc/s	from 12.00-24.00
Barcelona	795 kc/s	from 11.00-23.00
San Sebastian	1068 kc/s	from 12.00-23.00
Bilbao	1131 kc/s	from 12.00-23.00
Valencia	1258 kc/s	from 12.00-23.00
R. Galicia	1447 kc/s	from 12.00-23.00
Alicante	1447 kc/s	from 11.00-15.00, 19.00-23.00
Alcira	1492 kc/s	from 11.00-15.00, 19.00-23.00
Reus	1500 kc/s	from 11.00-15.00, 19.00-23.00

Daily Programmes for Madrid: *Music:* 12.02, 12.45, 13.05, 14.00, 21.00, 22 00. *Dance Music:* 20.00, 23.05. *Play:* 20.30. *Listeners' Request Concert:* 15.00-16 00.
For associated station "Radio Internacional" see Tangier

Radio Mediterraneo — Valencia
Address: Avenida Marques de Sotelo 2, Valencia
Radio Mediterraneo: 7037 kc/s from 12.00-15.00, 19.00-23.00
Announcement: Begins with the March "Hacia Valencia" and closes with the March. "Marcha de la Ciudad"

COMPANIA DE RADIODIFUSION INTER-CONTINENTAL

Address: 50, Diego de Léon, Madrid.
Leading Personalities: Director: Sr. Don Valentin Ruiz Senen. Sub-Director: Sr. M. Locatelli.
Shortwave Stations: *Radio "Atlantica".* 200 kW
17600 kc/s 17.04 m 11600 kc/s 26.70 m 8850 kc/s 34.10 m
Under Construction on Fernando Poo Island. In the future probably daily programmes in Spanish, English, Portuguese, Italian, French and German.
To Europe from 11.00-13.00 and 19.00-24.00
To Africa from 14.00-17.00
To N. America from 17.00-18.00 and 00.00-03.00
To S. America from 18.00-19.00 and 03.00-06.00

"RADIO ESPANA"

Address: Rambla de los Estudies, 8 Barcelona. — Manuel Silvela, 9 Madrid.
Leading Personalities: Director in Barcelona: Mr. Alfonso Banda. — Director in Madrid: Mr. Luis Caceres.
Stations:

Madrid	EAJ2	758 kc/s	395.8 m	3,5 kW
Barcelona	EAJ15	1123 kc/s	267.1 m	1,0 kW

Daily Programmes:
Barcelona: 12.30-15.00, 17.00-18.30, 19.30-23.00
Madrid: 12.30-15.00, 18.00-23.30

SINDICATO ESPANOL UNIVERSITARIO

Address: Diego de Leon 49, Madrid.
Leading Personalities: Director: Sr. Don Anibal Arias Ruiz, Chief Engineer: D. Francisco Diaz Guerra. Programme Director: D. German Bonet Marco. Chief of transmissions: D. Guillermo Fananas Vazquez.
Stations:
Radio S. E. U. Madrid 7171 kc/s 41.84 m 1 kW
Daily Programmes: from 13.00-16.00, 20.30-00.30.
Announcement: Opens with march song and frequently

identifies as "Radio SEU, Madrid" or "Emisora Nacional de la Frente de Juventudes de Espana". Closes with march song and National Anthem.

Interval-Signal: Gong.

Message to Listeners: We ask all shortwave listeners to sent us reports about our transmissions. The reports will be answered.

COMPANIA ARAGONESA DE RADIODIFUSION

Address: Radio Zaragosa, Cia Aragonesa de Radiodifusion, Zaragosa.

Leading Personalities: President: Dr. Jesus Muro Sevilla. Chief Engineer: Don Julio Bayona, Manager: Don Angel Bayod Uson, Programme Director: Mr. Don José Perlado Cadaviero.

Stations:

Zaragosa	EAJ101	850 kc/s	352.9 m	30 kW

Daily Programmes from 12.00-14.30 and 18.00-23.00.

LA VOZ DE LA FALANGE

Address: Alcalcá 44, Madrid.

Leading Personalities: Director: Senor T. Delgado Editor in Chief: Mr. M. Rojas. Chief-Engineers: Mr. F. Urbina and J. Porea: Programme Director: D. Porres. — Artistic Director: C. Barber. — Chief of Music Dept.: G. Arenas and R. Conteras. — Foreign Representatives: United Kingdom: Kenneth M. Dobeson, London. — France: Michel Soupault, Paris 6 a.

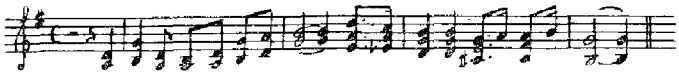
Stations:

Madrid 7380 kc/s 40.65 m 0,5 kW (To be increased to 10 kW)

Daily Programmes: In *Spanish* from 22.00-00.30. In *French* from 21.30-22.00.

Announcement: In *Spanish:* "Esta Emisora es "La Voz de la Falange", Madrid". At opening: "Transmite la emisora La Voz de la Falange, que da comienzo a su emision del dia". In *French:* "Ici La Voix de la Falange émettant sur onde courte de 7380 kc/s. 40.6 m".

Interval-Signal: A few bars of the "Cara al Sol", at the beginning of every broadcast.



At opening the song: "A la voz del capitan". At closing: Falange anthem and National Anthem.

Message to Listeners: "We beg our listeners to write to the Manager of our broadcasting station with reception reports and suggestions for our programmes. All reports answered by letter, postage not essential but appreciated."

RADIO FALANGE DE ALICANTE

Address: Studios — Sevilla 2, Alicante.

Administration: Duque Zaragoza 2, Alicante.

Leading Personalities: Director: Bartolome Cardona. — Programme Director: Alfredo Marciel.

Stations: Alicante 7940 kc/s 37.7 m 1,2 kW

Daily Programmes: 12.00-14.30 and 19.00-23.00.

Announcements: At opening at 12.00 and 19.00: The march "Heroina" followed by announcement. At 13.00 and 20.30 daily there is a *commercial* programme with announcement: "La Voz de Levante". Big Ben chimes at 20.30.

Message to Listeners: "Radio Falange de Alicante" wishes to send sincere thanks to all listeners, who have been kind enough to send us reports of reception of our broadcasts, which have been of great assistance to our technical department. We are glad to be able to send our greetings through the "World Radio Handbook" and hope that you will continue to receive our broadcasts and send us reports.

"RADIO FALANGE DE VALLADOLID"

Address: Radio Falange de Valladolid, FET-1, Valladolid.

Owner: Jefatura Provincial de FET.

Stations:

Valladolid	FET-1	1300 kc/s	230.8 m	1 kW
Valladolid	FET-1	7006 kc/s	42.83 m	0,4 kW

Daily Programmes: From 12.30-14.30 and 20.00-22.30 (Fri. 23.00, Sun. 23.30). Daily at 21.15: Commentaries:

Announcements: "Radio Falange de Valladolid".

Interval-Signal: Gong.

RADIO "ALERTA" (Valencia)

Stations: 7370 kc/s 40.72 m 0,2 kW

Leading Personalities: Director: Vicente Beta Frigola.

Daily Programmes: From 20.00 to 22.30.

RADIO FALANGE DE OVIEDO

Address: Asturias 15, Oviedo.

Stations: Oviedo 0,25 kW.
1428 kc/s 209.9 m. — 7127 kc/s 42.05 m

Daily Programmes: From 11.00-14.00, 19.00-23.00. Shortwave irregular.

BALEARIC ISLANDS

Address: Emisora Radio Menorca, Delegacion Insular del Frente de Juventudes, Mahón, Islas Baleares.

Stations: 7550 kc/s 39.74 m 0,5 kW

Daily Programmes in *Spanish* from 20.00-22.30.

Note: Reports to Spanish radio stations may be sent directly or alternatively to: Mr. K. M. Dobeson, BM/EABC, London, W.C.1. England, who will forward them to the appropriate stations I.R.C. appreciated but not necessary.

SWEDEN

Population: 7.000.000. **Listeners:** 2.000.000.

Radiopublication: Röster i Radio. Adress: Banérgatan 37, Stockholm. Editor General: Manne Ginsburg.

Programproduction: A/B Radiotjänst, Stockholm.

Programdistribution: Telegrafstyrelsen, Stockholm.

A/B Radiotjänst: Leading Personalities: Director General: Mr. Yngve Hugo. (From 1950: Mr. Elof Ehnmark). Director of Music: Mr. N. Broman. Director of Talks: Mr. E. Linder, Director of Drama: Mr. Hj. Gullberg. Director of News and Special Events: Mr. O. Forsén. Director of Administration: Mr. E. Mattson, Technical-Director: J. von Utfall. Director of Central Programmes Dept.: Mr. H. Hahr. Director of Publications Dept.: Mr. M. Ginsburg.

Telegrafstyrelsen. Leading Personalities: Director General: Mr. Håkon Sterky. Chief of Radio Division: Mr. Ernst Magnusson. Chief of Broadcasting Section: Mr. Erik Esping.

Stations:

Long- and Medium-Waves.

Motala	SBG	216 kc/s	1388.9 m	150 kW
Luleå	SBS	392 kc/s	765.3 m	10 kW
Östersund	SBF	415.5 kc/s	722.0 m	10 kW
Sundsvall	SBD	601 kc/s	499.2 m	150 kW
Malmberget	SCN	704 kc/s	426.1 m	0,2 kW
Stockholm	SBX	704 kc/s	426.1 m	55 kW

Gothenburg	SBB	941 kc/s	318.8 m	10 kW
Falun	SBV	1086 kc/s	276.2 m	100 kW
Hörby	SBH	1131 kc/s	265.3 m	100 kW
Karlstad	SBK	1312 kc/s	228.7 m	0,25 kW
Malmö	SBC	1312 kc/s	228.7 m	2,5 kW
Norrköping	SBI	1312 kc/s	228.7 m	0,25 kW
Trollhättan	SBJ	1312 kc/s	228.7 m	0,25 kW
Uppsala	SCT	1312 kc/s	228.7 m	0,5 kW
Kiruna	SCL	1348 kc/s	222.6 m	0,2 kW
Säffle	SCP	1348 kc/s	222.6 m	0,4 kW
Varberg	SCU	1348 kc/s	222.6 m	0,2 kW
örebro	SCV	1348 kc/s	222.6 m	0,2 kW
Hudiksvall	SBM	1402 kc/s	214.0 m	1,0 kW
Eskilstuna	SCB	1402 kc/s	214.0 m	0,5 kW
Gävle	SCD	1402 kc/s	214,0 m	0,5 kW
Hälsingborg	SBQ	1402 kc/s	214.0 m	0,5 kW
Porjus	SBE	1402 kc/s	214.0 m	0,075 kW
Umeå	SBL	1402 kc/s	214.0 m	1,0 kW
Visby	SBW	1402 kc/s	214.0 m	0,5 kW
örnsköldsvik	SBN	1402 kc/s	214.0 m	0,5 kW
Uddevalla	SCR	1411 kc/s	212.6 m	0,05 kW
Borås	SCA	1402 kc/s	214.0 m	2,0 kW
Kalmar	SCI	1447 kc/s	20..3 m	0,2 kW
Halmstad	SCE	1312 kc/s	228.7 m	2,0 kW
Kristinehamn	SCM	1500 kc/s	200.0 m	0,2 kW
Jönköping	SCH	1515 kc/s	198.0 m	0,2 kW
Karlskrona	SBR	1530 kc/s	196.1 m	0,5 kW

Shortwave.

Motala I	SBO	6065 kc/s	49.46 m	12 kW
Motala II	SBU	9535 kc/s	31.46 m	12 kW
Motala I	SDB2	10780 kc/s	27.83 m	12 kW
Motala I	SBP	11705 kc/s	25.63 m	12 kW
Motala II	SBT	15155 kc/s	19.80 m	12 kW

New Medium Wavelengths in use after March 1950:

Motala	191 kc/s	(1571 m)	Stockholm	773 kc/s	(387 m)
Luleå	182 kc/s	(1648 m)	Göteborg	980 kc/s	(306 m)
Östersund	420 kc/s	(722 m)	Falun	1223 kc/s	(245 m)
Sundsvall	593 kc/s	(506 m)	Hörby	1178 kc/s	(255 m)

Daily Programmes for National Stations: *Weekdays:* 05.15-13.30, 15.30-ca. 22.00. *Saturdays:* 05.15-07.15, 11.00-22.00 or 23.00. *Sundays:* 06.45-ca. 22.00.

Weekdays:

05.15 Opening broadcast
05.30 News, Weather. Progr. Preview
05.45 Music
06.40 Morning Service
07.00 News, Weather. Progr. Preview
07.15-07.35 (Thursd.) Home Magazine
07.15-11.00 (Tuesd. + Frid.) School Broadcasts, Music While You Work, etc.
07.15-11.00 (Mo., Wedn. + Sat.) Pause
11.00 The Bells of the Town Hall in Stockholm. Poem of the Day. Light music.
11.30 News and Weather
11.45 Talk
11.55 Time Signal
12.00-13.30 Various (talk, music)
13.30-13.45 (Mo. + Thursd.) Gymnastics for housewives
15.30 Weather
15.40-18.00 Various
17.35-17.55 (Fri.) French Course
17.40-17.55 (Wedn.) English Course
18.00-18.30 News and Weather. Topics of the Day
18.30-21.15 Various
21.15-21.30 News, Weather
21.30-ca. 22.00 Various

Sundays:

06.45 Opening broadcast
07.00 News, Weather. Progr. Preview
07.15 Topical Talk
07.40 Italian Lesson
08.00 Merry Melodies
08.40 Agriculture
09.00 Recorded Concert
10.00 Divine Service
11.30 News, Weather. Progr. Preview
15.30 Weather. Progr. Preview
17.00 Evening Service
18.00-18.30 News, Weather. Topics of the Day
21.15-21.30 News, Weather

EUROPEAN AND OVERSEAS SERVICE ON SHORT-WAVES

00.00-01.30 on 6065 kc/s and 10780 kc/s
05.15-07.30 on 6065 kc/s and 10780 kc/s
07.30-15.15 on 11705 kc/s and 15155 kc/s
15.15-18.00 on 10780 kc/s and 15155 kc/s
18.00-18.30 on 6065 kc/s and 10780 kc/s
18.30-18.45 on 10780 kc/s
18.45-c. 22.00 on 6065 kc/s and 10780 kc/s

Daily Programmes on Sundays:

00.00-01.00 Over to Sweden (News, entertainment, USA)
01.00-01.15 Sweden To-day (news feature)
01.15-01.30 Sweden Calling DX-ers
05.15-07.15 The National Programme
07.15-07.30 Youth Meeting of the Air
07.30-13.15 The National Programme
13.15-13.30 Sweden To-day
13.30-15.15 The National Programme
15.15-15.45 Youth Meeting of the Air
15.30-18.30 The National Programme
18.30-18.45 Programme in French
18.45-End The National Programme

Daily Programmes on Weekdays:

00.00-01.00 Over to Sweden
01.00-01.15 Sweden To-day
01.15-01.30 Mond.: Youth Meeting; Tuesd.: Esperanto; Wednesd.: Economical Survey; Thursd.: Calling Swedish Sailors; Fri.: For Missionaries; Sat.: Press Survey
05.15-07.15 The National Programme
07.15-07.45 Mond.: Esperanto; Tuesd.: Economical Survey; Wedn.: Calling Swedish Sailors; Thursd.: For Missionaries; Fri.: Press Survey; Sat.: Sweden Calling DX-ers
11.00-13.15 The National Programme
13.15-13.30 Sweden To-day
13.30-14.00 (Sat. 15.15) The National Programme
15.15-15.45 Mond.: Esperanto; Tuesd.: Economical Survey; Wedn.: Calling Swedish Sailors; Thursd.: For Missionaries; Fri.: Press Survey; Sat.: Sweden Calling DX-ers
15.30-18.30 The National Programme
18.30 18.45 News in English and German
18.45-22.15 The National Programme

Announcement: "Sveriges Radio ....." and the name of the transmitting station. For instance: "Sveriges Radio, Stockholm".

Interval-Signal: The first movement of Carl Michael Bellmans: "Storm och böljor tystna ren".

Message to Listeners: All correct reception reports will be answered by QSL-card. Special questions by letter. Return postage not necessary. Reports concerning the DX-Programmes can be addressed to DX-Editor, Swedish Broadcasting Corporation, Stockholm, Sweden.

SWITZERLAND

Population: 4.650.000. **Listeners:** 1.000.000.

Radiopapers: "Schweizer Radiozeitung", Schwarzstorstrasse 23, Berne. "Radio Actualités", Case postal 2185, Lausanne. "Radioprogramma", Campo Marzio, Lugano.

Mrs. Helvetia Godio-Pedrazzini. Announcer in the Swiss Shortwave Service.

Addresses:
Neuengasse 30, Berne, Schweizerischer Rundspruchgesellschaft, Société Suisse de Radiodiffusion, Swiss Broadcasting Corporation.
Neuengasse 28, Berne, Schweizerischer Kurzwellendienst, Service suisse des Ondes courtes, Swiss Shortwave Service.
Radio-Zurich, Brunnenhofstrasse 22, Zurich.
Radio-Berne, Schwarztorstrasse 23, Berne.
Radio-Basel, Novarastrasse 2, Basel.
Radio-Lausanne, Maison de la Radio, Lausanne.
Radio-Genève, 66 Boulevard Carl Vogt, Genève.
Radio-Lugano, Campo Marzio, Lugano.

Leading Personalities:
General Manager of the S. B. C.: Mr. A. W. Glogg — General Secretary: Mr. Rudolf von Reding — Head of Administration and Finance Division: Mr. Georges Conus — Chief of the Swiss Shortwave Service: Mr. Paul Borsinger.

Managers of the Regional Sections:
Radio-Zurich, Brunnenhofstrasse 20-22, Zurich.
Managers of the Regional Sections:
Landessender Beromünster:
Studio Zurich: Dr. Jakob Job
Studio Bern: Dr. Kurt Schenker
Studio Basel Dr. Emil Notz
Emetteur National de Sottens:
Studi Lausanne: Mr. Marcel Bezencon
Studio Genève: Dr. René Dovaz
Stazione Radio Monte Ceneri:
Studio Lugano: Dr. Stelio Molo

Stations: (Mediumwaves)

Beromünster	556 kc/s	539.6 m	100 kW
Sottens	677 kc/s	443.1 m	100 kW
Monte Ceneri	1167 kc/s	257.1 m	15 kW
Basel[1])	1375 kc/s	218.2 m	0,5 kW
Chur	1375 kc/s	218.2 m	0,1 kW
Sool	1375 kc/s	218.2 m	0,1 kW
Savièse[2])	1375 kc/s	218.2 m	0,1 kW

1) Relay Beromunster. 2) Relay Sottens.

Frequencies after March 15th, 1950:

Beromünster	529 kc/s	567.1 m	150 kW
Sottens	764 kc/s	392.6 m	150 kW
Monte Ceneri	557 kc/s	538.6 m	50 kW

Schwarzenburg (Shortwaves)

HER 3	6.165 kc/s	48.66 m	01.30-04.00
100 kW			05.15-06.40
			10.00-13.30
			15.30-22.00
HER 4	9.535 kc/s	31.46 m	23.30-01.00
100 kW			01.30-04.00
			05.15-06.40
			10.00-13.30
			15.30-22.00
			22.30-23.15
HEU 3	9.665 kc/s	31.04 m	16.45-18.30
100 kW			18.45-20.30
			20.45-22.15
HEI 5	11.715 kc/s	25.61 m	07.15-09.45
HEU 5	11.815 kc/s	25.39 m	23.30-01.00
25 kW			01.30-04.00
			15.30-22.00
			22.30-23.15
HER 5	11.865 kc/s	25.28 m	05.15-06.40
100 kW			07.15-09.45
			12.45-14.30
			14.45-16.30
			16.45-18.30
			18.45-20.30
			20.45-22.15
HED 7	15.120 kc/s	19.84 m	22.30-23.15
HER 6	15.305 kc/s	19.60 m	07.15-09.45
25 kW			12.45-14.30
HEI 7	15.320 kc/s	19.58 m	22.30-23.15
HER 7	17.784 kc/s	16.87 m	14.45-16.30
HER 8	21.520 kc/s	13.94 m	10.00-12.30
25 kW			12.45-14.30

HOME PROGRAMMES

Daily Programmes from Beromunster in German
Weekdays: 05.15-06.10, 10.00-13.30, 15.30-21.30
Saturdays: 05.15-06.10, 10.00-22.00
Sundays: 05.55-06.45, 08.00-22.00

Weekdays:
05.15 News
05.20 Exercise
06.00 News
06.05 Programme Preview
10.00 Music
11.30 News
11.40 Music (Saturday: "Die Woche im Bundeshaus")
16.30 Children's hour
18.10 Fridays: World Chronicle
18.30 News
18.40 Echo der Zeit
21.05 Mondays: Weekly Review for Swiss Abroad
21.00 News

Sundays:
06.00 News
06.05 Programme Preview
08.00 Protestant Service
08.45 Catholic Service
09.15 Orchestra
10.20 Literature
11.30 News
11.40 "Die Stunde für das Land". (Folklore music and talks)
14.00 Music or Sport
18.30 News
21.00 News

Highlights of Programmes:
Weekly Review for Swiss Abroad: Mondays at 20.45
Symphony Concert: Tuesdays at 19.00
Play: Thursdays at 19.00
"Bunter Abend": Saturdays at 19.00

Daily Programmes from Sottens in French.
Weekdays: 06.10-06.40, 10.00-13.00, 15.30-22.00
Sundays: 06.10-06.40,07.45-22.00
Saturdays: 06.10-06.40, 10.00-22.00
06.10 Music — 06.15 News — 06.20 Music
11.15 Music — 11.45 News, Music — 18.10 Progr. Preview (Sun.: 07.45 Catholic Service. 09.00 Protestant Service) — 18.15 News — 21.30 News.

Highlights of Programmes:
Tuesday: 19 30 Radio Play
Wednesday: 19.30 Symphony Orchestra

All times are indicated in G.M.T.

Switzerland Swiss Shortwave Servive Helvetia Godjo-Pedrazzini

Daily programmes from Monte Ceneri in Italian
Weekdays: 06.00-06.45, 10.00-12.45, 15.30-21.30
Saturdays: 06.00-06.45, 10.00-12.45, 15.30-22.30
Sundays: 06.00-06.30, 10.00-13.30, 16.30-21.30
(Occasionally commentaries on sporting events in the afternoon.)

06.15 News, Music — 09.40 Catholic Service (Sun.) — 11.15 Music — 11.30 News — 18.00 Music — 18.25 Progr. Preview — 18.15 News — 18.40 Music — 21.15 News.

Highlights of Programmes:
Mondays 19.15: Play
Tuesdays or Thursdays: c. 19.00: Symphony Concert

EUROPEAN AND OVERSEAS SERVICE OF SCHWARZENBURG

European Service:

HER 3	6.165 kc/s	48.66 m
HER 4	9.535 kc/s	31.46 m

Mond., Tuesd., Wednesd., Thursd. and Frid. 05.15-06.40, 10.00-13.30, 15.30-22.00
Saturdays 05.15-06.40, 10.00-22.00
Sundays 05.55-06.40, 07.45-22.00

Africa (The European program is beamed to Africa):

Daily	*05.15-06.40	HER 5	11.865 kc/s	25.28 m
	10.00-12.30	HER 8	21.520 kc/s	13.94 m
	15.30-22.00	HEU 5	11.815 kc/s	25.39 m

* On Sundays we are beginning at 05.55

Switzerland calling Australia, New Zealand and the Far East.

Daily	07.15-09.00	HEI 5	11.715 kc/s	25.61 m
	09.00-09.45	HER 5	11.865 kc/s	25.28 m
		HER 6	15.305 kc/s	19.60 m

Switzerland calling South-East Asia

Daily	12.45-14.30	HER 5	11.865 kc/s	25.28 m
		HER 6	15.305 kc/s	19.60 m
		HER 8	21.520 kc/s	13.94 m

Switzerland calling India and Pakhistan

Daily	14.45-16.30	HER 5	11.865 kc/s	25.28 m
		HER 7	17.784 kc/s	16.87 m

Switzerland calling the Middle East

Daily	16.45-18.30	HEU 3	9.665 kc/s	31.04 m
		HER 5	11.865 kc/s	25.28 m

Switzerland calling the United Kingdom and the Republic of Ireland

Daily	18.45-20.30	HEU 3	9.665 kc/s	31.04 m
		HER 5	11.865 kc/s	25.28 m

Programa para Espana y Portugal

Daily	20.45-22.15	HEU 3	9.665 kc/s	31.04 m
		HER 5	11.865 kc/s	25.28 m

Programa para la America Latina

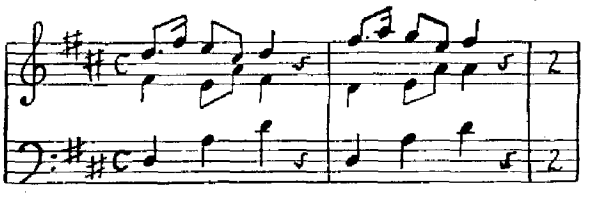
Daily	23.30-01.00	HER 4	9.535 kc/s	31.46 m
		HEU 5	11.815 kc/s	25.39 m
		HED 7	15.120 kc/s	19.84 m

Switzerland calling North America

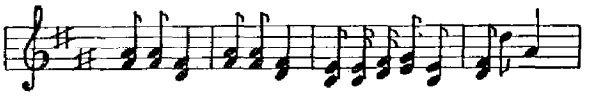
Daily	22.30-23.15	HER 4	9.535 kc/s	31.46 m
		HEU 5	11.815 kc/s	25.39 m
		HEI 7	15.320 kc/s	19.58 m
	01.30-04.00	HER 3	6.165 kc/s	48.66 m
		HER 4	9.535 kc/s	31.46 m
		HEU 5	11.815 kc/s	25.39 m

Interval-Signal:

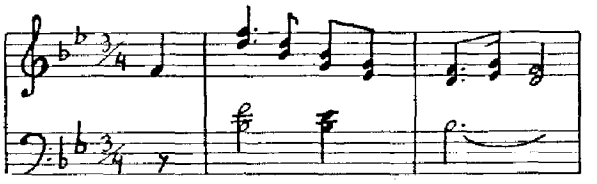
Beromunster: Radio Basel: "Z'Basel a mym Rhy"



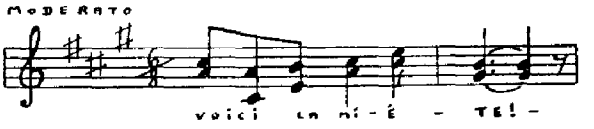
Radio Bern: "D'Zyt isch do"



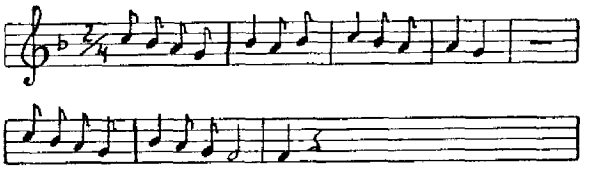
Radio Zurich: "Chum Bueb und lueg dis Ländli a"



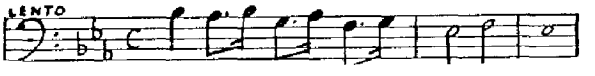
Sottens: Radio Lausanne: "Voici l'ami été"



Radio Genève: "Quelle fatale journée"
chanson de l'Escalade



Monte Ceneri: "Campane delle Chiesa di Pazzalino"



Schwarzenburg: "Lueget vo Berg und Thal"

Message to Listeners: Reports are welcomed and answered by QSL-cards.

UNO BROADCASTING FROM GENEVA

Address: United Nations Radio c/o Director. of Information Center., European Office of the United Nations, Geneve.

Stations: HBQ Geneva 20 kW.
18450 kc/s 16.26 m 6672 kc/s 44.07 m

Daily Programmes: Weekdays on 6672 kc/s: 18.30 English Bulletin. — 18.40 French Bulletin.

News about international cooperation and about the United Nations from a completely objective source. Comments, criticism and suggestions are always welcome.

U. S. S. R.

Address: Radio Centre, Moscow

Stations: *Long- and Mediumwave:*

Kaunas	153 kc/s	1961 m	100 kW
Moscow I	174 kc/s	1724 m	500 kW
Moscow I	200 kc/s	1500 m	100 kW
Leningrad	208 kc/s	1442 m	100 kW
Baku	218 kc/s	1379 m	35 kW

All times are indicated in G.M.T.

Moscow II	232 kc/s	1293 m	100 kW
Kiew	248 kc/s	1210 m	100 kW
Minsk	269 kc/s	1115 m	35 kW
Kasan	283 kc/s	1056 m	20 kW
Charkow	385 kc/s	779.2 m	40 kW
Petrozavodsk	400 kc/s	750 m	10 kW
Vilna (Vilnus)	536 kc/s	559.7 m	50 kW
Rostow	556 kc/s	539.6 m	20 kW
Riga	583 kc/s	514.6 m	50 kW
Moscow I	713 kc/s	420.8 m	100 kW
Tallinn	731 kc/s	410.4 m	10 kW
Leningrad	749 kc/s	400 m	100 kW
Viborg	749 kc/s	400 m	10 kW
Stalino	776 kc/s	386.6 m	10 kW
Lvov	795 kc/s	377 m	10 kW
Moscow III	832 kc/s	360.6 m	100 kW
Simferopol	859 kc/s	349 m	20 kW
Dnepropetrovsk	913 kc/s	328.6 m	10 kW
Moscow II	950 kc/s	315.8 m	120 kW
Odessa	968 kc/s	309 m	10 kW
Leningrad	1040 kc/s	288.6 m	10 kW
Riga	1258 kc/s	238 m	20 kW

New frequencies after March 1950:

	kc/s	kW		kc/s	kW
Moscow I	173	500	Stalino	710	150
Kiew I	209	150	Kiew II	782	100
Leningrad I	236	100	Leningrad II	800	100
Moscow II	263	150	Moscow III	872	150
Minsk	281	100	Lvov	935	100
Simferopol	548	100	Tallinn	1034	100
Riga	575	100	Moghilev	1106	100
Petrozavodsk	611	100	Viborg	1124	20
Charkow	647	100	Kaliningrad	1142	20
Murmansk	656	150	Odessa	1169	150
Wilna	665	100	Kowno	1385	150
Rostow	674	100			

Shortwave-stations:

Moscow:

4710 kc/s	63.66 m	9637 kc's	31.13 m
5780 kc/s	51.90 m	9640 kc/s	31.12 m
5920 kc/s	50.70 m	9650 kc/s	31.09 m
5957 kc/s	50.30 m	9660 kc/s	31.06 m
6000 kc/s	50.00 m	9670 kc/s	31.02 m
6027 kc/s	49.78 m	9690 kc/s	30.96 m
6077 kc/s	49.36 m	9710 kc/s	30.90 m
6090 kc/s	49.26 m	9740 kc/s	30.80 m
6130 kc/s	48.94 m	9760 kc/s	30.73 m
6140 kc/s	48.86 m	9780 kc/s	30.67 m
6160 kc/s	48.70 m	9800 kc/s	30.61 m
6700 kc/s	44.78 m	9880 kc/s	30.36 m
7165 kc/s	41.88 m	10204 kc/s	29.40 m
7180 kc/s	41.78 m	10660 kc/s	28.14 m
7200 kc/s	41.67 m	11710 kc/s	25.62 m
7215 kc/s	41.58 m	11900 kc/s	25.21 m
7235 kc/s	41.47 m	11918 kc/s	25.17 m
7245 kc/s	41.41 m	11950 kc/s	25.10 m
7270 kc/s	41.27 m	11960 kc/s	25.08 m
7295 kc/s	41.12 m	12020 kc/s	24.96 m
7360 kc/s	40.76 m	12080 kc/s	24.83 m
7650 kc/s	39.21 m	12270 kc/s	24.45 m
7790 kc/s	38.52 m	13400 kc/s	22.39 m
8760 kc/s	34.24 m	13610 kc/s	22.04 m
8910 kc/s	33.67 m	13880 kc/s	21.61 m
9045 kc/s	33.16 m	15040 kc/s	19.95 m
9435 kc/s	31.80 m	15087 kc/s	19.88 m
9480 kc/s	31.65 m	15140 kc/s	19.82 m
9500 kc/s	31.58 m	15170 kc/s	19.78 m
9540 kc/s	31.45 m	15210 kc/s	19.72 m
9550 kc/s	31.41 m	15230 kc/s	19.70 m
9630 kc/s	31.15 m	15270 kc/s	19.65 m
11740 kc/s	25.55 m	15283 kc/s	19.63 m
11780 kc/s	25.47 m	15320 kc/s	19.58 m
11800 kc/s	25.42 m	15340 kc/s	19.56 m
11830 kc/s	25.36 m	15390 kc/s	19.49 m
11875 kc/s	25.26 m	15410 kc/s	19.47 m
11890 kc/s	25.23 m	15440 kc/s	19.43 m

Leningrad:

5060 kc/s	59.29 m	9836 kc/s	30.51 m
9599 kc/s	31.25 m	11630 kc/s	25.79 m
9750 kc/s	30.77 m	15370 kc/s	19.52 m

Kiew:

15308 kc/s	19.60 m	6020 kc/s	49.83 m
11630 kc/s	25.79 m		

Other Short-wave Stations:

Alma Ata	9830 kc/s	Petropavlovsk	6070 kc/s
Vladivostok	9480 kc/s	Tiflis	6050 kc/s
Khabarovsk	9378 kc/s	Khabarovsk	6020 kc/s
Stalinabad	7430 kc/s	Yakutsk	5979 kc/s
Erivan	7150 kc/s	Khabarovsk	5940 kc/s
Tashkent	6825 kc/s	Magadan	5720 kc/s
Alma Ata	6220 kc/s	Molotov	5484 kc/s
Ashkabad	6179 kc/s	Frunze	5059 kc/s
Vladivostok	6080 kc/s	Khabarovsk	4275 kc/s

HOME SERVICE-PROGRAMME:

Daily Programmes in Russian from Moscow I:
From 03.00-23.00 (Sat., Sun. 00.00): On 1961, 1724, 1500 and 420.8 m. Also in the 49, 41, 31, 25 and 19 m. b.

Daily Programmes in Russian from Moscow II:
Weekdays: 11.45-22.00. *Sundays:* 06.00-22.00 On 1293 m, 360.6 m (not 14.00-20.00), 315.8 m and in the 41 m. b. (winter), 31 m. b. and 25 m. b. (summer).

Tass News (in Russian) from Radio Moscow:
At dictation speed for Provincial and District Newspapers:
07.00-10.00 on 50, 38, 33, 24, 22, 21 and 19 m. b. Also 1056 and 779 m.
15.00-17.00 on 50, 38, 33, 24, 21 and 19 m. b. Also 1056 and 779 m.
19.00-03.00 on 50, 44, 39, 34, 33 and 30 m. b. Also 1056 and 779 m. From 22.00 also on 1293 m.

EUROPEAN SERVICE

Engelsk:
16.00-16.30 (Sun. only) in 25-49-50 m. b.
17.30-18.00 in 25-41-49-50 m. b.
19.30-20.30 in 31-41-49-50 m. b.
21.30-22.00 in 31-41-49 m. b.
22.00-22.30 (Mo., Thursd., Sat.) in 41-49-50 m. b.
22.30-23.00 in 41-49-50 m. b.

French:
11.00-12.00 (Sun. only) in 19-25-31 m. b.
13.00-14.00 (Sun. only) in 19-25-31 m. b.
18.00-18.30 in 31-41-49 m. b.
19.30-20.00 in 40-49 m. b.
21.00-21.30 in 41-49 m. b.
21.30-22.00 (Thursd., Fri.) Concert in 41-49 m. b.

Danish:
17.00-17.15 in 25-49 m. b., 18.30-19.00 in 41-49 m. b.

German:
05.30-06.00 in 31-40-50-415 m. b.
16.00-17.00 in 25-40-49-50-415 m. b.
17.00-17.30 (to Austria) in 25-31-40-1115 m. b.
18.00-19.00 in 40-50-415 m. b.
19.30-20.00 (to Austria) in 31-377-1115 m. b.
20.00-21.00 in 40-49-415 m. b.
21.30-22.00 in 40-49-400-415 m. b.
22.00-23.00 (Sun., Mo., Wedn., Thursd.) Concert in 40-41-50-1115 m. b.

Swedish:
21.00-21.15 in 50-238-400
19.30-20.00 in 50-238-400

All times are indicated in G.M.T.

18.30-19.00 in 25-31 m. b.
20.00-21.00 in 31 m. b. and on 415 m.
21.30-22.00 on Wedn. and Sun. Music in 25-30-31-38 m. b. and on 415-1115 m.

OVERSEAS SERVICE

To North America:
23.20-00.30 in *English* on 41, 31, 25 and 19 m. b.
01.30-03.15 in *English* on 41, 31, 25 and 19 m. b.

To Latin America:
23.30-24.00 in *Portuguese* on 30.25 and 19 m. b.
00.00-02.00 in *Spanish* on 30.25 and 19 m. b.

To India and Pakistan:
12.00-13.00 in *English* on 25 and 19 m. b.

To Far East:
04.15-11.00 in *Russian* on 50, 31, 25 and 19 m. b.
22.30-23.15 in *Russian* on 50, 31, 25 and 19 m. b.
01.00-02.30 in *Russian* on 49, 41 and 31 m. b. Also 1500 m.
Message to Listeners: Reports are welcomed to: Radio Moscow, Postbox 787 Moscow — and answered by QSL-card.

VATICAN STATE

Address: Radio Station, Vatican City (Stazione Radio, Città del Vaticano).

Leading Personalities: Director of Vatican Radio Station: Father Soccorsi, Prof. Filippo S. J.

Stations: Radio Vaticano, HVJ.

*767 kc/s	391.1 m	1 kW	9660 kc/s	31.06 m	25 kW
5970 kc/s	50.26 m	10 kW	11685 kc/s	25.67 m	25 kW
6005 kc/s	49.96 m	25 kW	11740 kc/s	25.55 m	25 kW
6030 kc/s	49.75 m	25 kW	15095 kc/s	19.87 m	25 kW
6190 kc/s	48.47 m	25 kW	15120 kc/s	19.84 m	10 kW
7250 kc/s	41.38 m	25 kW	17450 kc/s	17.19 m	25 kW
7280 kc/s	41.21 m	25 kW	17840 kc/s	16.82 m	25 kW
9550 kc/s	31.41 m	25 kW			

* Temporary wavelength. Radio Vaticano hopes in a few months to operate on 1484 kc/s 5 kW. — After March 1950 the wavelength will be 1529 kc/s 100 kW.

EUROPEAN-SERVICE

Every Sunday at 10.30 on 31.10 m, 50.26 m and 25.55 m: Broadcast Mass, celebrated for the intentions of the Holy Father. Music during the Mass. Gospel homily for 15 mins. before Mass, alternately in English, French, German, Spanish and Polish.
Daily Programmes in English:
News at 15.00 on 31.10 m, 25.55 m and 19.87 m
Talks at 18.15 on 31.10 m, 50.26 m and 25.55 m
Daily Programmes in Italian:
News at 13.30 on 48.47 m, 50.26 m and 222 m
Talks at 19.30 on 48.47 m, 50.26 m and 222 m
Religious Dialogue: Every Saturday 19.15 on 48.47-50.26 and 222 m
"Campo di Dio" Radio Panorama of Catholic activities: Every Sunday 11.30 on 48.47-50.26 and 222 m
Daily Programmes in French:
News at 14.30 on 31.10-25.55-19.87 m
Talks at 18.45 on 31.10-48.47-50.26 m
Daily Programmes in German:
News at 14.45 on 31.10-19.87-25.55 m
Talks at 19.45 on 48.47-50.26-31.10 m
Daily Programmes in Spanish:
News at 14.15 on 31.06-25.55-19.87 m
Talks at 20.00 on 31.10-48.47-50.26 m
Daily Programmes in Polish:
News at 15.15 on 31.10-25.55-19.87 m
Talks at 19.15 on 31.10-48.47-50.26 m (Every: Mo.-Tuesd.-Wedn.-Thursd.-Fri.-Sun.)
Czech and Slovac Programmes:
News at 20.30 on 31.10-48.47-50.26 m
News at 14.00 on 31.10-25.55-19.87 m (Every: Tuesd.-Sat.).
Croat Programmes:
News at 14.00 on 31.10-25.55-19.87 m (Every: Wedn.)
News at 18.00 on 31.10-25.55-50.26 m (Every: Tuesd., Sun.)
Russian Programmes:
News at 18.00 on 31.10-25.55-50.26 m (Every: Wedn.)
Estonian Programmes:
News at 17.45 on 31.10-25.55-50.26 m (Every: Wedn.)
Latvian Programmes:
News at 17.30 on 31.10-25.55-50.26 m (Every: Thursd.)
Abyssinian Programmes:
News at 17.45 on 31.10-25.55-50.26 m (Every: Thursd.)
Slovene Programmes:
News at 18.00 on 31.10-25.55-50.26 m (Every: Thursd.-Sat.)
Dutch Programmes:
News at 14.00 on 31.10-25.55-19.87 m (Every: Fri.)
News at 19.00 on 31.10-48.47-50.25 m (Every: Mon.-Thursd.)
Hungarian Programmes:
News at 14.00 on 31.10-25.55-19.87 m (Every: Thursd.)
News at 19.00 on 31.10-48.47-50.26 m (Every: Wedn.-Fri.-Sun.)
Lithuanian Programmes:
News at 14.00 on 31.10-25.55-19.87 m (Every: Sun.)
News at 19.00 on 31.10-48.47-50.26 m (Every: Sat.)
Arab Programme:
News at 17.45 on 31.10 m (Every: Sat.)
Portuguese Programme:
News at 20.15 on 31.10-48.47-50.26 m (Every: Sun.)
Rumanian Programmes:
News at 14.00 on 31.10-25.55-19.87 m (Every: Mon.)
News at 17.45 on 31.10-25.55-50.26 m (Every: Sun.)
Ukrainian Programmes:
News at 19.00 on 31.10-48.47-50.26 m. (Every: Tuesd.)

OVERSEAS SERVICES

Africa Service: In English, French, Italian, Portuguese, Abyssinian:
Sunday-Thursday 16.30-17.00 on 19.84; 25.55 and 31.06 m
Tuesday-Friday 15.00-15.30 on 19.84 and 16.82 m
Wednesday-Saturday 06.30-07.00 on 19.84 and 16.82 m
India Service: In English:
Tuesday-Friday 15.30-16.00 on 19.84 m and 17.19 m
Near and Middle East Service: In Arab., Italian:
Tuesday 20.15-20.45 on 48.47 and 50.26 m
Saturday 17.30-18.00 on 31.06 m
South East Asia Service: In English, Spanish, Dutch:
Wednesday-Saturday 12.00-12.30 on 17.19; 16.82; 19.84 and 25.55 m
Central America Service: In Spanish:
Sunday-Thursday 00.00-00.30 on 41.38; 31.41; 25.55 and 19.84 m
Thursday 20.30-21.00 on 25.67 and 19.87 m
North America Service: In English, French, Spanish, Italian, Polish:
Sunday-Thursday 00.30-01.00 on 41.38; 31.41; 25.55 and 19.84 m
Sunday-Thursday 01.30-02.00 on 16.82; 25.55 and 19.84 m
South America Service: In Spanish:
Sunday-Thursday 01.00-01.30 on 41.38; 31.41; 25.55 and 19.84 m
Brazil Service: In Portuguese:
Sunday-Thursday 23.20-00.00 on 41.38; 31.41; 25.55 and 19.84 m
Australia-New Zealand Service: In English:
Wednesday-Saturday 07,00-07,30 on 16,82; 19.84 and 25.55 m.
Announcements: In *English:* "Laudetur Jesus Christus, this is the Vatican Radio".

All times are indicated in G.M.T.

Opening-Signal: The bells of St. Peter's.
Interval-Signal: Carillon on organ — Melody "Christus Vincit".

YUGOSLAVIA

Population: 15.500.000. **Listeners:** 260.000.
Address: The Radio Committee of the Federal People's Republic of Yugoslavia, Beograd.
Leading Personalities: President: Mr. Jovan Marinovic. Vice-Presidents: Mr. V. Korac, Mr. I. Gruden, Mr. M. Bogojevic.
Stations:
Medium Waves:

Ljubljana I	527 kc/s	569.3 m	20 kW	National
Kranj	527 kc/s	569 m	20 kW	Regional
Zagreb I	629 kc/s	477 m	20 kW	National
Ajdovscina	668 kc/s	449.1 m	5 kW	Regional
Maribor	668 kc/s	449.1 m	5 kW	Regional
Belgrade I	686 kc/s	437.3 m	20 kW	National
Rijeka(Fiume)	767 kc/s	391 m	1,5 kW	Regional
Belgrade II	1268 kc/s	236 m	2,5 kW	Regional
Pristina	1080 kc/s	278 m	0,5 kW	Regional
Sarajevo	1086 kc/s	276.2 m	20 kW	Regional
Osijek	1148 kc/s	261 m	0,8 kW	Regional
Skoplje	1240 kc/s	242 m	20 kW	National
Zajecar	1300 kc/s	230 m	0,4 kW	
Cetinje	1349 kc/s	222 m	0,2 kW	Regional
Titograd	1377 kc/s	218 m	0,5 kW	National
Dubrovnik	1420 kc/s	211 m	0,8 kW	Regional
Zagreb II	1447 kc/s	207 m	1,0 kW	Regional

Shortwave Stations

Belgrade	6100 kc/s	49.18 m
Belgrade	6140 kc/s	48.85 m
Belgrade	9505 kc/s	31.56 m

New medium frequencies in use after March 1950:

Belgrade I	683 kc/s	439.2 m
Belgrade II	1268 kc/s	236.6 m
Zagreb	1133 kc/s	264.7 m
Ljubljana	917 kc/s	327.1 m
Sarajevo	611 kc/s	490.9 m
Skoplje	809 kc/s	370.8 m
Titograd	881 kc/s	340.5 m

Daily Programmes for R. Belgrade I and II in Serb/-Croat on Mediumwaves:

Belgrade I
Weekdays: 04.00-06.15, 11.00-23.00
Sundays: 04.20-09.30, 11.00-23.00
Belgrade I 04.20-06.10, 14.00-16.30, 18.30-23.00
Zagreb
Weekdays: 04.45-06.00, 13.00-15.00, 16.00-23.00
Sundays: 04.00-09.00, 10.00-13.00, 16.00-21.30
Ljubljana
Weekdays: 04.00-06.00, 11.00-14.30, 17.30-22.30
Sundays: 06.00-13.00, 17.00-21.30
Sarajevo 05.00-06.00, 12.00-14.00, 15.55-22.00
Skoplje 04.30-06.30, 12.00-15.00, 16.30-22.30
Titograd 04.30-06.00, 17.00-22.30

Radio Belgrade I on 437.3 m

Weekdays:
04.00 Exercise
04.20 Music
05.00 News in Serbian
05.20 Music
06.00 News
Sundays:
06.30 Music
07.00 Sport, Music
08.15 Children's hour
08.45 Music
09.00 Rural Progr.
Daily:
11.00 Announcements
11.15 Music
12.00 Children's hour
12.15 Music
14.00 News, Music
16.00 News, Music
17.15 Youth Progr.
17.30 Music
18.00 News, Music
21.00 News, Music
22.00 News, Music
23.00 Announcements

Radio Belgrade II on 236.6 m

Daily:
04.00 News in Czech
04.15 News in Hungarian
04.30 News in Rumanian
05.00 News in Serbian
05.20 Music
06.00 Announcements
14.00 News in Serbian
14.15 Music
16.00 News in Serbian
18.30 News in Serbian
19.00 News in Bulgarian
19.30 Rumanian
20.00 News in Czech
20.30 News in Hungarian
21.00 News in Serbian
21.30 Music
22.00 News in Serbian
22.10 Music

Daily Programmes (News) on Shortwave from Belgrade.

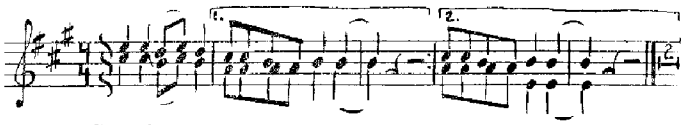
Mornings — 31.56 m
04.00 In Czech
04.15 In Hungarian
04.30 In Rumanian
04.45 In French
05.00 In German
05.15 In Russian
05.30 In Slovenian
05.45 In Italian
06.00 In Greek
06.15 In English
16.45 In Greek
17.00 In French
17.15 In Italian
17.30 In Russian
18.00 In Polish
18.30 In Albanian

Afternoons — 31.56 m
12.00 In Russian
12.30 In Czech
13.00 In Bulgarian
13.30 In Albanian
14.00-14.15 Macedonia

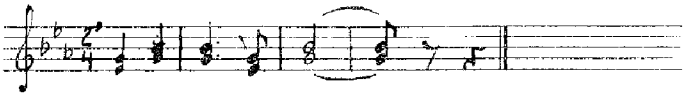
Evenings — 49.18 m
16.00 In German
16.15 In English
16.30 In Spanish
19.00 In Bulgarian
19.30 In Rumanian
20.00 In Czech
20.30 In Hungarian
21.00 In Serbian

Announcement: "Radio Beograd". Frequently female announcer.
Interval-Signals:
Radio Belgrade: Four bell tones.

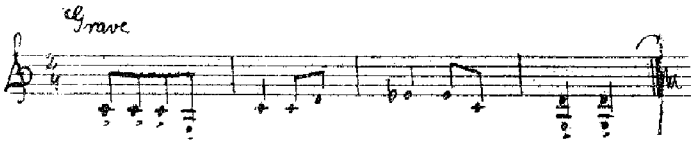
Radio Ljubljana: Bird's Voice: "Ku-ku".
Radio Zagreb:



Radio Sarajevo:



Radio Titograd:



Message to Listeners: "Reports are answered by letter."

AFRICA

ALGERIA (French)

Population: 8.530.000. **Listeners:** 157.960.
Address: Radio-Algerie, 10 rue Hoche, Algiers.
Leading Personalities: Director: Henri Gayraud, Chief-Engineer: Mr. Bariani, Director of Programmes: Mr. Vandelle. Chief of Information: Mr. Jean Jacques. Director of Administration: Mr. Robert. Chief of Arabic Transmissions: Captain Schmitz.

AFRICA AND NEAR EAST

SEVILLA
HVELVA
TANGIER
TUNIS
ORAN
ALGIERS
TETUAN
RABAT
CASSABLANCA
PONTA DELGADA
TENERIFFE
TRIPOLIS
BENGHAZI
CAIRO
ANKARA
TÆBRIZ
ALEPPO
BEIRUT
TEL AVIV
JERUSALEM
BAGHDAD
TEHERAN
DAKAR
PRAIA
BISSAU
ACCRA
LAGOS
OMDURMAN
ADEN
ADDIS ABEBA
NAIROBI
BRAZZAVILLE
LÉOPOLDVILLE
LUANDA
LOBITO
BENGUELA
LUSAKA
SALISBURY
TANANARIVE
LOURENCO MARQUES
JOHANNESBURG
CAPE TOWN
ST. DENIS RÉUNION
ST. LOUIS MAURITIUS

Radio Beirut: Miss Sannia Djumblat, one of the announcers, whose voice is most often heard in the broadcasts from Radio Beirut.

Radio Leopoldville: The English Department of O. T. C. From left: Bill Ashley, Henry Ancelot, Carol Beckers, John Cookson, Mary Colter.

map Africa Radio Beirut Sannia Djumblat Radio Leopoldville Bill Ashley Henry Ancelot Carol Beckers John Cookson Mary Colter

Stations:

Network for French Transmissions.

Algiers	941 kc/s	318.8 m	50 kW
Algiers I	941 kc/s	318.8 m	20 kW
Constantin I	1086 kc/s	276 m	0,15 kW
Bone	1249 kc/s	240.2 m	0,2 kW
Oran I	1429 kc/s	209.9 m	1 kW

Network for Arabic Transmissions.

Algiers II	1113 kc/s	269.5 m	10 kW
Oran II	1255 kc/s	239.2 m	0,2 kW
Constantin II	1438 kc/s	208.6 m	0,75 kW
Tlemcen	835 kc/s	359 m	0,75 kW

Network for Kabyl Transmissions:

Fort National.	1400 kc/s	214 m	0,75 kW
Algiers III	1070 kc/s	280 m	0,25 kW

Short Waves:

Algiers O. C. 1	9570 kc/s	31.34 m	10 kW
Algiers O. C. 2	9570 kc/s	31.34 m	25 kW
Algiers O. C. 3	9570 kc/s	31.34 m	25 kW

New medium Wavelengths after March 1950

Algiers I	890 kc/s	100 kW
Algiers II	980 kc/s	100 kW
Constantine I	1142 kc/s	20 kW
Constantine II	1304 kc/s	20 kW
Oran I	1142 kc/s	40 kW
Oran II	1304 kc/s	40 kW

DAILY PROGRAMMES IN FRENCH:

On medium-waves:

Sundays from 07.00-23.00. *Weekdays* from 06.30-08.00. 12.00-14.00. (*Thursdays* 15.15) and 18.30-23.00 (*Saturdays News:* 20.00 and 22.45

On short-wave 31.34:

Daily from 20.00-23.00 (Sat. 24.00)

Algerian Reportage: 21.15

Highlights of Programmes:

Symphony: 20.30 Wednesdays.

Theatre: 20.30 on Tuesdays and Saturdays.

Songs of Today and Tomorrow: 21.30-22.15 Sundays.

Variety: 20.30 Thursdays

DAILY PROGRAMMES IN ARABIC:

On medium-waves:

Daily: 06.30-07.30, 11.15-13.45, 18.00-22.30 (Sat. 23.00)

On short-wave 31.34: From 18.30-20.00 (Tuesd., Wednd., Frid., Sund.) Progr. consist of news, Arabic music.

Announcement: *French network:* "Ici Radio Algerie, nous émettons sur 318 m (et 31.34, le soir de 20 H à 23 H).

Arabic network: "El Djezoir" (Alger) (sur 269 m 50 et 31.34 m le soir de 18 H 30 à 20 H 00).

Interval-Signals: *French network:* Before and after *each transmission* extract from the melodies: "Marouf" by Rabaud and "Escales" by Jaques Ibert. Before and after *news* extracts from the melody "La Casquette du Pere Bugeaud" played on bells. After the transmissions of the day: "La Marseillaise". *Arabic network:* Before and after each transmission extracts from "LAH'N H'ANINE" of Salim Halali.

Message to Listeners: "Reports are answered either by QSL card or by letter".

ANGOLA (Portuguese West Africa)

Stations:

CR6RN	7130 kc/s	42.08 m	1 kW
CR6RD	7152 kc/s	41.95 m	0,30 kW
CR6RE	7165 kc/s	41.87 m	0,10 kW
CR6AA	7177 kc/s	41.80 m	1 kW
CR6RM	7700 kc/s	38.96 m	0,10 kW
CR6RG	8242 kc/s	36.40 m	0,3 kW
CR6RB	9165 kc/s	32.73 m	0,25 kW
CR6RH	9235 kc/s	32.49 m	0,10 kW
CR6RL	9470 kc/s	31.68 m	1 kW
CR6RN	9475 kc/s	31.66 m	1 kW
CR6RA	11035 kc/s	27.18 m	0,40 kW
CR6RL	15915 kc/s	18.85 m	1 kW

RADIO BENGUELA

Address: Radio Club de Benguela, P. O. B. No. 19, Benguela.

Stations: *Radio Club de Benguela.*

CR6RB	9165 kc/s	32.73 m	0,45 kW
CR6RF	8090 kc/s	37.08 m	1 kW

Daily Programmes: On 32.73 m from 11.15-12.00, 17.30-19.00.

Announcement: "Radio Club de Benguela, Angola, Africa Occidental Portuguesa".

Interval-Signal: Four chimes every quarter of the hour.

Message to Listeners: "We ask all shortwave listeners to send us reports, which will always be verified".

RADIO LOBITO

Address: Radiodifusora do Lobito, Caixa Postal 103, Lobito.

Stations: Radio Lobito.

CR6AA	7177 kc/s	41.80 m	1 kW

Daily Programmes:

In *Portuguese* from 06.15-06.45, 11.30-12.45, 18.00-20.00.

In *English: Sundays* from 15.30-16.30.

Announcement: "This is Lobito, short-wave broadcasting station CR6AA."

Interval-Signal: Chimes.

Message to Listeners: The Radio Station CR6AA, at Lobito, Angola, Portuguese West Africa greets all listeners and is always glad to receive their comments on programmes.

RADIO CLUBE DE ANGOLA

Address: P. O. Box 229, Luanda, Angola.

Stations:

CR6RL	15915 kc/s	CR6RL	9470 kc/s
CR6RC	11730 kc/s	CR6RA	8090 kc/s
CR6RA	11035 kc/s	CR6RC	7299 kc/s
CR6RA	10795 kc/s	CR6RN	7130 kc/s

Daily Programmes:

06.00-08.00 *Weekdays* on 10795 kc/s and 7130 kc/s.

11.15-12.45 *Daily* on 10795 kc/s, 9470 kc/s, 7130 kc/s.

16.00-17.30 (Sund. only) 18.30-21.05 (Weekd.) on 7130 kc/s, 9470 kc/s.

Announcement: "Luanda, Rádio Clube de Angola".

CR6RE — RADIO CLUB DE MALANGE, MALANGE

Address: Caixa Postal No. 83, Malange.

Daily Programmes in Portuguese from 19.30-20.30, and 12.30-13.00 on Weekdays. Sundays from 07.00-08.00 and 12.30-13.00.

CR6RD — RADIO CLUB DE HUAMBO, NOVA LISBOA

Daily Programmes from 11.15-12.15 (Sund. only) 18.30-19.30.

CR6RG — RADIO DIAMANG, DONDO

Daily Programmes from 11.00-12.00 (Sund. only) 18.30-19.30.

CR6RH — RADIO CLUB DE HUILIA, SA DA BENDEIRA, LUBANGO

Daily Programmes from 18.00-20.00

CR6RM — RADIO CLUB DE MOCAMEDES, MOCAMEDES

Daily Programmes from 20.00-21.00

AZORES

Address: Emissora Regional dos Acores, Ponta Delgada, San Miguel, Azores.

Stations: Ponta Delgada.

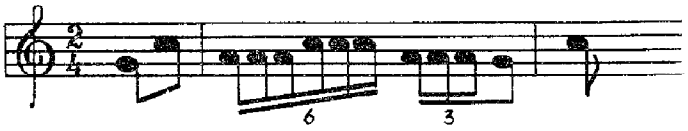
CS9MC	4845 kc/s	61.92 m	1 kW Local
CS9MA	7015 kc/s	42.76 m	1 kW To Europe

CS9MB 11090 kc/s 27.04 m 1 kW
Daily Programmes in *Portuguese*
4845 kc/s from 22.00-24.00 (winter), 7015 kc/s from 20.00-21.00, 11090 kc/s from 20.00-21.00 (summer).
Announcement: "Emissor Regional dos Açores."
Message to Listeners: Reports answered by letter.

BELGIAN CONGO

Population: 40.000 whites, 10.000.000 natives.
Listeners: 7000.
THE INTERNATIONAL GOODWILL STATION OTC.
Address: Radiodiffusion Nationale Belge, P. O. Box 505 Léopoldville, Congo Belge.
Leading Personalities: Shortwave Service of I. N. R.-Brussels under the same General Direction.
Brussels: Oversea's Director: Mr. F. Zoete. Assistant: Mr. M. Hankard.
Léopoldville: Station Manager: Mr. Leopold Le Roye.
Stations: *Léopoldville,* 50 kW.
OTC5 17768 kc/s 16.88 m inactive
OTC2 9767 kc/s 30.71 m
Daily Programmes from:
17.00-17.45 *French* and *Flemish* on *Mondays* and *Fridays:* Broadcast for Missionaries. *Sundays:* and *Thursdays:* Broadcast for seamen.
17.45-18.15: To Belgians all over the world.
18.15-19.30: *Dutch.* News. Letters from Listeners. Music. Actual Chronicle. — To Netherlands and South Africa.
19.00-19.15: *Dutch* and 19.15-19.30: *French:* Belgian News. The week in Belgium. To Belgian soldiers in Germany and Belgians all over the world.
19.30-20.30 *English.* — 19.32 News. — 19.40 "Amongst Friends". Greetings to listeners from whom letters are received, exc. Sundays. — In *Swedish* alternate *Fridays.* On Wednesdays OTC calls Dx'ers with with Dx-news. *Fortnightly* on *Wednesdays* at 19.55 a spec. Progr. dedicated to Dx-clubs. — To Gt. Britain and British Territories in Africa.
20.30-21.45. *French:* News and Belgian Chronicle. — Music. — News Summary. — To France and French Colonies.
21.45-23.45. *French* and *Flemish:* News. — Sport. — Light Music — Information to Seamen. — Letters from Listeners. — To Belgian Seamen.
00.00-01.45. *French:* News and Belgian Chronicle. — Music. — Letters from Listeners or Actualities. News Summary. To Canada and Latin America.
01.30-01.45. *French:* Repetition of Progr. 19.15-19.30.
01.45-02.00. *Dutch:* Repetition of Progr. 19.00-19.15.
02.00—04.00: *English* to U. S. A. and Canada. — 02.00 News, 02.15 Amongst Friends-Answering letters from listeners — 02.25 Music. — 02.55 Talk or Feature. — 03.05 Music. — 03.55 News Headlines. *Wednesdays:* Short Wave News and Information for Radio Clubs. — *Sundays:* broadcast of a review of the musical programmes in the coming week.
04.15-05.00 *Tuesdays* and *Saturdays* repeat of progr. for missionaries (Mond., Frid.) Other days music and Belgian news.
Announcement: *French:* "Ici Léopoldville, la Radiodiffusion Nationale Belge, La voix de la Concorde."
Dutch: "Hier Leopoldstad zender OTC van de Belgische Nationale Radio-Omroep, de Vriend Shapsbode."
English: "This is OTC, the International Goodwill Station of the Belgian National Broadcasting Service."

Interval-Signals: Native xylophone.



Message to Listeners: "The O. T. C. St. greets listeners all over the world and welcomes their comments and technical reports. Answers by QSL-card and on the air in the feature "Amongst Friends".
The O. T. C. Club "Amongst Friends" has been formed following the suggestion of many regular listeners of the *International Goodwill Station,* in order to bring a closer contact between the station and its Listeners on one side, and between Listeners themselves on the other. It aims at creating a better understanding between all nations and peoples of the world and at promoting international goodwill. The Club is a non-profit organization. Membership tokens, in the form of a membership card and a lapel badge, will be forwarded to those of our friends who send us either: one dollar (U. S. A.) in an International Postal Money Order, or: 13 (thirteen) International Reply Coupons (Europe and Africa).

RADIO CONGO BELGE
(For Listeners in Belgian Congo).
Address: Radio Congo Belge, Léopoldville, Congo Belge.
Leading Personalities: Director: Karel Theunissen on behalf of the government general of Belgian Congo.
Stations: *Radio Congo Belge.*
OTM1 6295 kc/s 47.65 m 3 kW
OTM2 9380 kc/s 31.98 m 7,5 kW
OTM4 11720 kc/s 25.60 m 7,5 kW
OTH 9210 kc/s 32.57 m 15 kW
Daily Programmes from 05.00-07.00, 10.15-12.00, 16.00-20.00 in *French, Flemish* and *Portuguese.*
OTM1 from 05.00-07.00, 10.15-12.00 and 16.00-20.00
OTM2 from 05.00-07.00 and 16.00-20.00
OTM4 from 10.15-12.00
Daily Programmes for native listeners: on OTH in French and native dialects from 17.30-18.30.
Announcements: In *French* "Ici Radio Congo Belge".
In *Flemish* "Hier Radio Belgisch-Kongo".
Interval-Signal: Native drums and xylophone.
Message to Listeners: Reception reports will be gratefully acknowledged and answered.

RADIO CONGOLIA LEOPOLDVILLE
Address: P. O. Box 63, Léopoldville.
Stations: OQ2RC 15 kW.
15325 kc/s 19.58 m 9210 kc/s 32.57 m 6010 kc/s 49.92 m
Daily Programmes: 17.00-18.30 Native Progr.

CAPE VERDE ISLANDS

Address: Radio Clube de Cabo Verde, Service de Fezenda, Praia, Cap Verde Islands.
Praia CR4AA 5920 kc/s 50.70 m. 1 kW
Daily Programmes in *Portuguese* from 21.00-22.00:
Message to Listeners: "Reports answered by letter".

CANARY ISLANDS

Address: Radio Club Tenerife, P. O. Box 225. Santa Cruz de Tenerife, Islas Canarias.
Stations: Santa Cruz de Tenerife.
EA8AB 7267 kc/s 41.28 m 0,5 kW — 7558 kc/s 39.75 m
Daily Programmes in *Spanish* 23.00-24.00 Spanish Music
Message to Listeners: Reports are welcomed and will be answered by QSL card.

EGYPT

Population: 19.000.000. **Listeners:** 165.000.
Address: Egyptian State Broadcasting, Broadcasting House, Cairo.
Stations:

Cairo I	620 kc/s	483.9 m	20 kW	
Cairo II	1349 kc/s	222.6 m	10 kW	
Alexandria	1122 kc/s	267.4 m	0,5 kW	
Assiut	731 kc/s	410.0 m	0,5 kW	Arabic only
Cairo SUX	7867 kc/s	38.13 m	10 kW	Arabic only
	10055 kc/s	29.83 m	10 kW	Frid. only

New wavelengths after March 1950:
Cairo I 773 kc/s 50 kW — Cairo II 557 kc/s 20 kW — Alexandria 1340 kc/s 5 kW — Lower Egypt 1250 kc/s
Daily Programmes in Arabic on short-wave.
On 38.13 from 18.30-21.00.
On 29.83 from 06.30-10.30 Friday only.
Announcement: "This is Cairo calling" in English, French, Greek and in Arabic: "Hona El Kahera".
Interval-signal: Camel bells.
Message to Listeners: Receptions reports to be adressed to Chief Engineer, Egyptian State Broadcasting St.

ETHIOPIA

Address: Radio Addis Ababa Press and Propaganda Dept. Ministry of Pen Addis Ababa. —
Stations:
Addis Ababa 9620 kc/s 31.19 m 1 kW
Daily Programmes:
Monday: Amharic: 11.00-11.15 News, Music; 13.45-14.30 Music. *Arabic:* 14.30-15.15 News, Music. *English:* 15.15-16.00 English Church Music and Religious Feature: *Tuesdays: Amharic:* 11.00-11.15 News, Music;11.45-14.30 News, Music; 16.30-18.00 News, Ethiopian National Music. *Arabic:* 14.30-15,15 News, Records; *English:* 15.15-16.00 Music, Talk.
Wednesdays: Amharic: As Monday, *Arabic:* As Monday. *English:* 15.15-16.00 Classical Music.
Thursdays: Amharic: 11.00-12.00 News, Ethiopian National Music and Talk. *Arabic:* 14.30-15.15 News, Arabic Music. *English:* 15.15-16.00 Music, Talk.
Fridays: Amharic: As Monday; *Arabic:* As Monday. *English:* 15.15-16.00 Classical Music.
Saiurdays: Amharic: 11.00-11.15 News, Music; 13.45-14.30 News, Music; 17.30-19.00 Ethiopian National Music, News, Commentary. *Arabic:* As Monday. *English:* 15.15-16.00 Records and Commentary.
Sundays: Amharic: 08.00-09.00 News, Records, Arabic Religious Service. *Arabic:* As Monday and 08.00-09.00 News in Amharic and Religious Service in Arabic. *English:* 15.15-16.00 Religious Music; 16.00-16.15 Gospel Half Hour by the Missionary Community.

FRENCH EQUATORIAL AFRICA

Address: Radio Brazzaville, P. O. Box 108, Brazzaville-Moyen-Congo, Afrique, Equatoriale Française.
Leading Personalities: Acting Director: Mr. A. Bazire. Director of Foreign Transmissions: Mr. Louis C. D. Joos. Administrator: J. Wallet. Engineers: A. Asse, H. Defroyenne.
Stations: Brazzaville, FZI.

6024 kc/s	49.80 m	1,5 kW	05.00-07.25, 10.00-12.45 16.00-01.15
7000 kc/s	42.86 m	0,8 kW	05.00-07.25, 17.25-01.15
9440 kc/s	31.78 m	7 kW	05.00-07.25, 10.00-12.45, 16.00-01.15
9964 kc/s	30.10 m	1,5 kW	05.00-07.25, 10.00-12.45, 16.00-01.15
11970 kc/s	25.06 m	50 kW	05.00-07.25, 16.00-01.15
15595 kc/s	19.23 m	50 kW	10.00-12.45
17840 kc/s	16.82 m	1,5 kW	10.00-12.45, 17.00-18.45, 20.00-21.00
21000 kc/s	14.30 m	0,8 kW	10.00-12.45, 16.00-17.20

Daily Programmes from 05.00-07.30, 10.00-12.45 and 16.00-01.20.
(E. means to Europe, N. E. to Near East, Ea. to East, A. to America.)

05.00 News, French. E.
05.30 News, English. E, A.
05.45 Music (Sun.: Religious Music).
06.00 News, French. E.
06.25 Music.
07.00 News, French. E.
09.00 Music. (Sun.).
10.00 Music.
10.15 News, French. N. E.
10.30 Chamber Music.
11.00 News, French Ea.
11.25 Folkmusic or -song.
12.00 News, French. Ea.
12.15 News, English. Ea.
12.30 "Programme récréatif".
16.00 Opera or Symphony.
17.25 Variety.
18.00 News, French. E.
18.25 Songs.
18.45 News, English. E.
19.00 News, French E.
19.10 Symphony.
20.00 News, French. E.
20.25 Dance Music.
20.30 News, Swedish E.*
20.30 Colonial Talk. Danish E.*
20.45 News, English. E.
21.00 News, French. E.
21.20 Music.
22.05 News, French. A.
22.15 News, English. A.
22.30 Music or Opera
23.00 News, French. A.
23.30 News, Portuguese. A.
00.00 News, English. A.
00.15 News, French. A.
00.35 Music.

* alternate Wednesd. Danish or Swedish (Colonial talks, Music, Answer to letters from listeners).

Highlights of Programmes:
"La France d'Outre-Mer": 18.30 and 22.30 every Tuesday and Friday.
"Chanson Françaises": 18.25 every Sunday and Wednesday.
Transmissions from Paris: 11.30, 17.30 and 22.30 every Thursday.
"Mailbag Programme": Mondays after English news-bulletins at 18.45 and 00.00. Tuesdays after news bulletin at 05.30 and 12.15. Answers to letters from listeners written in English from all parts of the world.
Other programmes consist of light and classical music.
Announcement: In *French:* "Radio Brazzaville, Poste Nationale Français." In *English:* "Radio Brazzaville, the French National Broadcasting Station in Africa." As a special identification, the station uses between the various programmes the "Marche Lorraine".
Interval-Signal: When the station switches over from one direction to another a call signal of five different notes is played on a native instrument (Kisanzi) consisting of several vibrating iron bars attached to a wooden box. *Signature Tune:* Some movements a "Marche Lorraine".
Message to Listeners: Reports answered individually either by card or letter.

GOLD COAST COLONY

Address: Broadcasting Department, Accra.
Leading Personalities: Acting Superintendent of Broadcasting: Mr. J. W. Foster. Senior Programmes Officer: Mr. E. E. Frewin.
Stations: Accra ZOY.
4915 kc/s 61.04 m 5 kW and 7295 kc/s 41.11 m 1,3 kW
Daily Programmes from 10.30-12.00 and 15.28-18.00.
10.30 Gold Coast News in English.
15.55 Ashanti Drums followed by Announcement.
16.00 News and Music in the various dialects.
17.45 Gold Coast News in English
Announcement: "This is ZOY Accra in the Gold Coast Broadcasting on 41.11 and 61.04 Metres."

KENYA

Address: Cable and Wireless Ltd., Electra House Kabete, P. O. Box 777, Nairobi.
Stations: Nairobi, VQ7LO, 1,5 kW.
4885 kc/s 61.41 m English
6060 kc/s 49.50 m Indian 10.15-10.45
Daily Programmes in English:
From 10.00-11.00, 15.00-19.00 (20.00 Wedn. and Sat.) Saturdays: 11.00-11.15.
Announcement in *English:* "This is Nairobi Broadcasting Station of Cable & Wireless Ltd. calling on wave lengths of 350 and 61.41 m. —"
Message to Listeners: Reports answered by letter. Return postage should be enclosed.

MADAGASCAR

Address: Radio Tananarive. The Office of the French High Commissioner. Tananarive, Madagascar.
Stations: Radio Tananarive.

FIQA	6060 kc/s	49.50 m	1,2 kW
	7380 kc/s	40.49 m	1,2 kW
	7409 kc/s	40.68 m	0,5 kW
	9693 kc/s	30.95 m	0.35 kW
	10615 kc/s	28.26 m	0.25 kW

Daily Programmes in French from 03.30-05.30 (Sun. 08.00), 08.20-09.45, 14.20 (Sun. 13.30)-20.00.
Announcement: "Ici Radio Tananarive" in French, Malgache and Comorien.
Interval-Signal: Musical notes played on the Malgache guitar.

MALTA

Population: 250.000. **Listeners:** 16.000.
MIDDLE EAST FORCES' BROADCASTING SERVICE
The Forces' Broadcasting Service, Middle East, has its headquarters on Malta. Its primary purpose is to serve troops throughout the Middle East, but in addition to its powerful s. w. transmitter, it also transmits on medium waves to the island itself. The programme consists of a blend of entertainment collated from the B. B. C. various transcription services, and from locally produced features, which in many cases are live productions with studio artists and orchestras. The s. w. transmissions are designed for relay to troops in Cyprus, Egypt, Tripolitania and Cyrenaica.
Leading Personalities:
Headquarters Malta: Mr. Leslie Knight, Chief Broadcasting Officer. MELF. — Mr. Maurice Taylor, Chief Technical Officer. — Mr. Tom Moffett, Chief Programmes Officer.
Cyprus: Station Commander: Captain McL. Humphrey.
Kabrit: Station Commander: Mr. Andrew Young.
Tripoli: Station Commander: Captain A. Aydon-Jones.
Benghasi: Station-Commander: Mr. Denis Scuse.
East Africa: 2/Lt. P. Barwell.
Stations:

Malta	870 kc/s	344.8 m	1 kW
Cyprus	1420 kc/s	211.3 m	1 kW
Kabrit	1420 kc/s	211.3 m	1 kW
Benghasi	1420 kc/s	211.3 m	1 kW
Tripoli	1420 kc/s	211.3 m	0.25 kW
East Africa	1420 kc/s	211.3 m	0.25 kW

New medium-wavelengths after March 1950.
1420 kc/s will change to 1484 kc/s with the exception of Benghasi, whose new frequency will be 1594 kc/s.
Short-waves:

4782 kc/s	62.74 m	7270 kc/s	41.27 m
4965 kc/s	60.42 m	11780 kc/s	25.47 m
6140 kc/s	48.86 m	11820 kc/s	25.38 m
7220 kc/s	41.55 m		

Daily Programmes in *English:*
Malta: Weekd. 04.30-06.30, 09.30-23.00; Sund. 04.30-23.00.
Cyprus: Weekd. 04.30-06.30, 09.30-21.00; Sun. 04.30-21.00
Kabrit: Weekd. 04.00-06.00, 09.30-21.00; Sun. 04.00-21.00
Benghasi: Weekd. 04.30-06.30, 09.30-15.30, 16.30-21.00; Sund. 04.30-21.00
Tripoli: Weekd. 04.30-06.30, 09.30-15.30, 16.30-21.00; Sund. 04.30-14.30, 15.30-21.00
East Africa: Weekd. 03.00-05.00, 09.30-11.00, 14.00-20.00; Sund. 05.00-07.00, 15.00-19.00
04.30-06.30 Light Music and News
09.30-13.00 Light Music, Talks, Features
13.00-18.00 Classical Music, Features, News, Light Music
18.00-23.00 Request Programme, Variety, Outside Broadcasts, Light Music, News
Announcement: The callsign of each station is: "This is your Forces' Broadcasting Service, Middle East". — Other times: "You are tuned to the Forces' Broadcasting Service, Middle East.
Interval-Signal: 30 Second interval signal of the recording "Marigold" (Piano Solo).
Message to Listeners: We are delighted to hear from short wave listeners with details of reception and criticisms of programmes. All reports will be answered by personal letter.

MAURITIUS

Address: Mauritius Broadcasting Service, Forest Side.
Stations: Forest Side.
V3USE 7340 kc/s 40.87 m 1,5 kW
Daily Programmes: *Weekdays* from 03.00-04.15, 08.15-09.30, 13.00-14.00 and 15.00-17.30. *Sundays* from 06.15-07.45, 13.00-14.00 and 15.00-17.30.
Announcement: In *French:* "Ici le Poste de l'Ile Maurice".
Station Signature Tune: The march "The Thin Red Line".

MOROCCO (French)

Population: 9.400.000. **Listeners:** c. 95.000.
Address: Radio Maroc, Immeuble des P. T. T., Rabat.
Leading Personalities: Director General: Mr. Jean Arnaud, Chief of News Dept.: Mr. Paul Peyre. Director for French Programmes: Mr. Robert Barras. Director for Arabic Programmes: Mr. F. Goussé. Chief Engineer: Mr. François Goure. Chief of Administration: Mr. Grolleau. General Secretary: Mr. Albert Lestage.
Stations:

Network A.	Rabat I	601 kc/s	499.2 m	20 kW
Network B.	Rabat II	1004 kc/s	298.8 m	20 kW
	Fes	1086 kc/s	276.0 m	1 kW
Short-wave.	Rabat	6006 kc/s	49.95 m	2,5 kW

New wavelengths after March 1950
Rabat I 611 kc/s 120 kW — Rabat II 701 kc/s 120 kW — 3 stations 1043 kc/s 20 kW each.
Daily Programmes on Medium-wave:
Network A: Broadcasts all French programmes from 06.45-08.30, 12.00-14.30, 18.00-23.30
Thursday, Saturday, Sunday: 17.00-23.30
Sunday Morning: 06.45-14.30
Network B: Broadcasts all Arabic and Spanish Programmes:
Arabic: 07.00-08.30, 11.00-12.00 (Berbère), 12.30-14.30, 19.30-23.30
Spanish: 12.00-12.30, 18.00-19.30
Daily Programmes on Short-wave:

06.45-08.00 French	13.00-14.30 French
08.00-08.30 Arabic	18.00-19.30 Spanish
11.00-12.00 Arabic (Berbère)	19.30-20.15 Arabic
12.00-12.30 Spanish	20.15-23.30 French
12.30-13.00 Arabic	

News in *French:* 07.00, 08.00, 12.15, 13.00, 14.30, 18.30, 20.15, 23.25
News in *Arabic:* 07.15, 08.15, 11.45 (Berbère), 12.30, 13.15, 19.30, 20.00
News in *Spanish:* 12.00, 18.00, 19.15,
Highlights of French Programmes:
Symphony Concert (Radio Maroc orchestra): Mo. 18.45, Wedn. 12.30, Sat. 14.00
Variety: Sun. 11.00, 21.00, Tuesd. 19.30, Thursd. 21.00, Fri. 19.30, Sat. 21.00
Request Concert: Daily 07.30 (exc. Sat.)
Dance Music: Sun. 22.30
Announcement: "Ici Radio Maroc" or "Ici Rabat — Radiodiffusion Marocaine".
Interval-Signal: At *opening and closing:* "Marseillaise" and "Hymne Cherifien". — *Before the News:* at 13.00 and 20.15: Fragment of "Bacchanale" of "Samson and Dalila" by Saint-Saëns.

Message to Listeners: Reports are answered by QSL-card.

MOROCCO (Spanish)

RADIO TETUAN
Address: Radio Tetuan, Calle O'Donell 11, Tetuan.
Stations: Radio Tetuan EA9AH
6067 kc/s 49.45 m 20 kW
Daily Programmes in Spanish and Arabic from 07.30-08.00, 13.30-15.00 and 18.00-23.00: News and Music.
Announcement: "La Voz de Espana en Africa."

MOZAMBIQUE

(Portuguese. East-Africa)

RADIO CLUBE DE MOZAMBIQUE
Address: Radio Clube de Mozambique, P. O. Box 594, Lourenco Marques, Colonia de Mozambique.
Radiopublications: Radio Mozambique, Caixa Postal 594, Rua do Major Araujo 36, Lourenco Marques.
Leading Personalities: President: Cap. Antonio dos Santos Figueiredo.
Stations: *Lourenco Marques.*

CR7BE	9715 kc/s	30.86 m	7,5 kW
CR7BJ	9653 kc/s	31.08 m	10 kW
CR7AA	6137 kc/s	48.88 m	0,3 kW
CR7CB	6160 kc/s	48.70 m	7,5 kW
CR7BU	4925 kc/s	60.91 m	7.5 kW
CR7BV	4855 kc/s	61.75 m	7,5 kW
CR7AB	3490 kc/s	85.96 m	0.6 kW

DAILY PROGRAMMES IN PORTUGUESE:
For the Colonies of Mozambique, Angola and Portugal. On *Weekdays* from 05.00-06.00, 09.30-11.30 and 16.00-20.20 on 31.08 m and from 16.00-20.00 on 60 m.
On *Sundays:* from 09.00-12.00 on 31.08 m and from 16.00-20.00 on 60 m.
DAILY PROGRAMMES IN ENGLISH AND AFRIKAANS:
Weekdays: 05.00-08.00 and 12.00-16.00 on 30.86 m and 16.00-21.00 on 60.91 and 85.96 m.
Sundays: 07.00-16.00 on 30.86 m and from 16.00-21.00 on 60.91 and 85.96 m.
Announcement:
In *English:* Every quarter of an hour: Four chimes followed by announcer saying: "Lourenco Marques for happy listening on the . . . metre bands".
The opening music in both programmes, is an African melody exclusive to this station: "Dança Negra".
Message to Listeners: Reports will be very much appreciated and answered by QSL-card.

EMISSORA DO AERO CLUBE DA BEIRA
Address: Emissora do Acro Clube da Beira, Caixa Postal 3, Beira.
Stations: CR7IB 7199 kc/s 41.68 m 0,3 kW
Daily Programmes on 7199 kc/s.
Weekdays from 09.45-10.45 and 18.00-20.00.
Sundays from 09.00-12.00 and 17.00-20.00.
Message to Listeners: Reports are answered by QSL-card.

REUNION (French Colony)

Address: Radio Denis, Radiodiffusion Française, St. Denis.
Leading Personalities: Manager: Mr. P. Poirer.
Stations: Radio St. Denis
7170 kc/s 41.84 m 0,2 kW
4797 kc/s 62.54 m 0,2 kW
Daily Programmes in *French* from 03.00-03.30 and 13.45-14.30.
Message to Listeners: Reports are greatly appreciated and answered by letter.

NORTHERN RHODESIA

Address: Direction of Information, POB 209, Northern Rhodesia Broadcasting Station, Broadcasting House, Lusaka.
Leading Personalities: Programming and Production: Mr. A. M. Kittermaster. Engineering and Transmitting: Mr. John W. Murray.
Stations: Lusaka ZQP
3914 kc/s 76.60 m 0,5 kW
7220 kc/s 41.55 m 2,5 kW
Daily Programmes: In *English* every Tuesday, Saturday and partly Sunday.
Daily: 15.00-19.30. Sun. also 09.00-11.00.
Announcement: "This is the Central African Broadcasting Station in Lusaka".
Interval-Signal: Beating on African Drums.
Message to Listeners: Reports are answered by QSL-card.

SOUTHERN RHODESIA

Address: Broadcasting House, Manica Road, Salisbury.
Stations:

Salisbury ZEA	3658 kc/s	82.01 m	1 kW
Umtali (Day)	6120 kc/s	49.02 m	1.5 kW
Gwelo (Night)	3320 kc/s	90.36 m	1.5 kW
Bulawayo ZEB	3800 kc/s	78.95 m	1 kW

Daily Programmes in *English* on all frequencies:
Weekdays from 09.30-11.15 and 16.00-20.00
Sundays from 08.30-11.15 and 18.00-20.00
Announcement in *English:* "This is Southern Rhodesia".
Interval-Signal: Recorded peals of church bells.
Message to Listeners: Reports answered by letter.

SENEGAL (French West Africa)

Address: Poste Federal de Radio Dakar, Dakar.
Stations: 3435 kc/s 87.33 m 0,2 kW
FZK6 6917 kc/s 43.37 m 1,2 kW
FHE3 11897 kc/s 25.21 m 3 kW
Daily Programmes in *French:*
Weekdays: 07.00-07.30, 12.15-13.30 and 18.30-22.00 (Sat. 23.00).
Sundays: 07.00-07.30, 11.00-14.00 and 18.00-23.00.
Announcement: Opening at 07.00, 12.15 and 18.30 with a continuous three-note signal on a flute-like instrument for 15 minutes. Thereafter at 07.15 is played. "Hymne de l'infanterie de Marine" and the following announcement in French: "Ici Radio Dakar,

SUDAN (Anglo-Egyptian)

Address: Sudan Broadcasting Service, Public Relations Office. P. O. Box 522, Khartoum.
Leading Personalities: Broadcasting Officer: Mitwalli Eff. Mohamed Eid. — Studio Controller: Mohd. Eff. Abdel Rahman el Khangi.
Station: Radio Omdurman.
6110 kc/s 49.10 m 0,25 kW*
9770 kc/s 30.70 m 6,5 kW
5725 kc/s 52.45 m 0,75 kW
* Experimental pending International agreement
Daily Programmes on all frequencies
In *English:* Fridays from 17.30-18.00.
In *Arabic:* Daily from 04.15-04.45, 16.30-18.00, 19.00-19.30, except Fridays, Fridays from 04.15-04.45, 08.00-09.30, 14.00-15.00, 16.30-17.30, 19.00-19.30.
Announcement: Arabic: "Huna Omdurman". English: "Radio Omdurman calling".
Message to Listeners: Reception reports from Listeners will be much appreciated and answered.

SUEZ CANAL ZONE

Kabrit 1420 kc/s 211.3 m (see Malta)

TANGIER

RADIO INTERNATIONAL
Address: Radio International Sociedad Africana de Radiodiffusion S. A., 54 Goya Street Tangier.

Leading Personalities: President: Mr. Antonio Garriques & Diaz Canabete. — Vice-President: Mr. Lucien Bensimhon. — Secretary: Mr. Virgilio Onate Sanchez. — Gen. Manager: Mr. Herbert Rutledge Southworth. — Administrator: Mr. Aladino Cuetos Martinez. — Chief Engineer: Mr. Jesus Cordova.
Stations: Radio International.
1238 kc/s 242 m 10 kW
6110 kc/s 49.10 m 1 kW
Daily Programmes:
English: 11.00-11.30. *French* and *Spanish:* 12.30-16.00 and 20.00-00.30. *Arabic:* 18.00-20.00.
Interval-Signal: Moroccan Music.
Message to Listeners: Reports answered by QSL-card.

PAN AMERICAN RADIO
Address: Pan American Broadcasting System, 39 Boulevard Pasteur, British Post Office Box 49, Tangier (The International Banking Corporation of Tangier).
Leading Personalities: Directors: Mr. Ch. E. Walbaum, Mr. James Suriuach Oller.
Stations: 15050 k/s 19.95 m 7400 kc/s 40.54 m
Daily Programmes (except Sundays):
Economical and financial news and Music. In English French and Spanish: 12.00, 17.00 and 21.00.
Announcement: "Pan American Radio Tangier".
Interval-Signal: American Music.
Message to Listeners: Reports are welcome and answered by QSL cards.

SOCIEDAD AFRICANA PUBLICITARIA Y COMERCIAL S. A.
Address: 39, Calle Shakespeare, Tangier.
Leading Personalities: General Manager: Mr. S. Georges Dahlqvist. Director of Programmes: Mr. D. Herminio Blanco. Technical Director: Mr. D. Sebastian Más.
Stations: Radio Africa. 7080 kc/s 42.37 m 1 kW
14280 kc/s 21.01 m 1 kW
Daily Programmes 13.00-16.00, 19.00-22.00 in Spanish, French and Arabic.
Message to Listeners: Reports answered by letter.

S. TOMÉ

Address: Radio Clube de S. Tomé e Principe, S. Tomé.
Leading Personalities: President General Assembly: Lieutenant Commandor Alfonso Manuel Machado de Sousa.
Stations: CR5SA 11785 kc/s 25.46 m 1 kW
CR5ST 9615 kc/s 31.20 m 1 kW
Programmes in Portuguese will be started in October on the above mentioned frequencies.

TUNISIA

Population: 3.400.000. **Listeners:** 45.000.
Address: Radio-Tunis, 2 Rue d'Alger, Tunis.
Stations:
Tunis I 822 kc/s 364 m 120 kW
Tunis II 583 kc/s 514 m 20 kW
Daily Programmes in *French* and *Arabic:*
French: 06.00-07.00, on 364.2 m, 11.00-13.00, 18.00-22.00
Arabic on 364.2 m 05.15-06.00, 12.02-13.02, 18.00-21.30.
From 19.00-21.30 is used 120 kW.

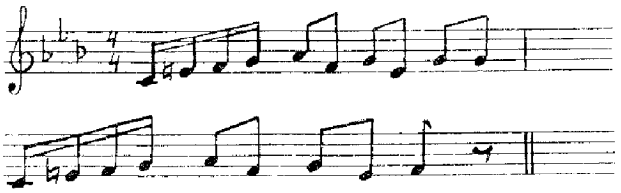
UNION OF SOUTH AFRICA

Population: 10.000.000. **Listeners:** 500.000.
Address: South African Broadcasting Corporation, P. O. Box 8606, Johannesburg.
Leading Personalities: Chairman of the Board of Govenors: Dr. H. S. Pellissier. Director-General: Mr. G. D. Roos. Deputy Director-General: Mr. N. L. Filmer. Chief Accountant: Mr. R. C. Strike. Controller of Programmes: Miss G. Dickson. Secretary: Mr. I. P. A. van der Walt. Chief Engineer: Mr. H. O. Collett. Programme Directors: Mr. W. P. van der Berg and Mr. H. E. Dawes.
STATIONS: "A" Programme: English. — "B" Programme: Afrikaans.
Stations:
Johannesburg III B. 3450 kc/s 86.97 m 5 kW inactive
Johannesburg IV A. 4800 kc/s 62.50 m 1 kW
Weekday 04.45-06.30. *Sunday* 05.55-06.30. *Weekday* 16.40-21.05. *Sunday* 16.40-21.45.
Johannesburg V A. 4373 kc/s 68.60 m 0,2 kW
Weekday 04.45-06.30, 08.15-12.10, 14.00-21.05. *Sunday* 05.55-06.15, 08.00-21.05
Johannesburg III B. 4895 kc/s 61.28 m 5 kW
Daily 04.45-06.30, 17.00-21.05 (Sat. 21.45)
Johannesburg III B. 6007 kc/s 49.95 m 5 kW inactive
Johannesburg IV. A. 6095 kc/s 49.40 m 1 kW inactive
Johannesburg III. B. 9523 kc/s 31.51 m 5 kW
Weekday 08.15-12.10, 14.00-16.50. *Sunday* 08.15-16.50
Johannesburg IV. A. 9870 kc/s 30.40 m 1 kW
Weekday 08.15-12.10, 14.00-16.10. *Sundays* 08.15-16.30
Johannesburg III B. 11710 kc/s 25.62 m 5 kW inactive
Cape Town III. B. 5880 kc/s 51.00 m 5 kW
Daily 17.00-21.05. *Weekday* 04.45-06.30. *Sunday* 05.55-06.30
Cape Town III. B. 9610 kc/s 31.20 m 5 kW
Weekdays 08.15-12.10, 14.00-16.45. *Sunday* 08.15-16.45
Pietermaritzburg B. 4878 kc/s 61.50 m 0,2 kW
Weekday 04.45-06.30, 08.15-12.10, 14.00-21.05. *Sunday* 08.30-21.05
Mafeking A. 5900 kc/s 50.85 m 0,2 kW
Weekday 11.00-12.00, 16.55-19.30. *Sunday* 18.00-19.30
Daily Programmes from Johannesburg in English
On 4800 kc/s and 4384 kc/s: News 05.00. Light Music 05.20. B. B. C. News 06.00, 17.00. National Talk 17.30. Variety 18.00. Symphony (alternate Thursd.) 18.15. Play (alt. Thursd.) 18.15. News 20.00.
On 9870 kc/s: News 11.15. B. B. C. News 16.00.
Announcement: Various opening announcements are given in both English and Afrikaans. These announcements invariably include the names of the transmitting stations in the chain. Before each news service and any special announcements the initial letters of the chain or groups are given in morse.
Message to Listeners: Listener-reports are acknowledged.

NEAR EAST

CYPRUS

NEAR EAST ARAB BROADCASTING STATION
Addres: P. O. Box 219, Limassol, CYPRUS
Leading Personalities: Director: Mr. F. W. Benton. Deputy Director: Mr. Rex Keating, Director of Programmes: Mr. Mohammed Bey Ghussein, Chief-Engineer: Mr. H. P. H. Biggar.
Stations: Sharq al Adna, 7,5 kW.
ZJM4 6135 kc/s 48.90 m ZJM8 9650 kc/s 31.09 m
ZJM5 6170 kc/s 48.62 m ZJM7 11720 kc/s 25.60 m
Daily Programmes in *Arabic* from 03.55-06.35, 09.30-13.00, 14.30-20.15.
From 03.55-06.30 on 9650, 6790, 6170, 6135 kc/s
From 09.30-13.00 on 11720, 9650, 6790, 6135 kc/s
From 14.30-16.50 on 11720, 9650, 6790, 6135 kc/s
From 16.50-17.05 on 9650, 6790, 6135 kc/s
From 17.05-20.15 on 9650, 6790, 6170, 6135 kc/s
News in Arabic at 04.00, 05.30, 11.30, 16.00, 18.30, 20.00
Letters from Listeners: 12.30-13.00 Frid., Sund.
News Dictation Speed on 9650, 6790 kc/s at 06.05, 16.15.
Program Preview: 03.55, 06.00, 10.30, 15.45.
Announcement: "Mahhattat a Sharq al Adna" (Arabic)
Interval signal: Arabic music played on stringed instrument:



Message to Listeners: Reports are answered by QSL cards.

FORCES' BROADCASTING SERVICE
(British Army, M. E. L. F. — see Malta)
Address: Forces' Broadcasting Station, Lakatania.
Stations: Lakatania
1420 kc/s 211 m 1 kW — 7220 kc/s 41.55 m 0,4 kW
Daily Programmes in *English. Weekdays:* 04.30-06.30, 09.30-21.00. *Sundays:* 04.30-21.00 (24.00 Sat.)
Announcement: "This is your Forces' Broadcasting Station Cyprus".
Message to Listeners: Reports are answered by QSL-letter and over the air every Saturday at 23.00.

IRAN

Address: Director General, Wireless Dept.: Ministère des Postes, Télégraphes et Téléphones, Teheran.
Leading Personalities: Head of Wireless Dept.: Engineer H. Samiy.
Stations: *Radio Teheran.*

EQA	878 kc/s	342.1 m	7 kW
EQD	4780 kc/s	62.76 m	2 kW
EQB	6155 kc/s	48.74 m	14 kW
EQC	9680 kc/s	30.99 m	14 kW
EPB	15100 kc/s	19.87 m	14 kW

Daily Programmes for Home in *Persian.*
On 9680 kc/s from 09.00-11.00
On 6155 kc/s from 03.00-04.30, 14.00-18.30.
Daily Programmes to Europe and the Near East
On 15100 kc/s from 18.30-20.01: News and Music: 18.30 Persian, 18.50 Turkish, 19.00 Arabic, 19.10 Russian, 19.20 English, 19.30 French, 19.40 Persian.
Message to Listeners: We appreciate individual reports, which will be verified immediately.
REGIONAL BROADCASTING STATIONS
Radio Tabriz, Azerbajan, 7,5 kW
11960 kc/s 25.08 m — 6092 kc/s 49.25 m
Daily Programmes on 6092 kc/s from 03.30-04.30, 15.00-17.30
Khorramabad, Luristan
6845 kc/s 43.83 m from 16.30-17.30 (only Wednesdays and Sundays).
Interval Signal: An oriental melody played on flute at 16.25.
Announcement: "Here Khorramabad, regional transmitter for the province of Luristan".

IRAQ

Address: Iraq Government Broadcasting Station Radio Baghdad. Iraq.
Leading Personalities: Director: Mr. Husain Al-Rahhal, LL. B.
Stations: Radio Baghdad

767 kc/s	391.1 m	0,5 kW
7092 kc/s	42.30 m	0,5 kW
7062 kc/s Y15KG	42.48 m	1 kW

Daily Programmes in *English* and *Kurdish* on 42.48 m.
15.00-17.00: Kurdish: Music and News.
17.00-19.00: English: Music and News.
Daily Programmes in *Arabic* on 391 m and 42.30 m.
From 04.25-06.00, 06.00-07.00 (Fri. only), 13.00-19.15.
Interval Signal: Gentle chirps of a mechanical nightingale.

ISRAEL

Address: Department of Broadcasting (KOL ISRAEL) P. O. B. 17, HAKIRYA, TEL-AVIV.
Leading Personalities: Director of Broadcasting: Dr. M. Solieli (Soloweitchik), i/c of stations: Miss Rita Persitz, Mr. Karel Salomon, Dr. Y. Spira.
Stations:

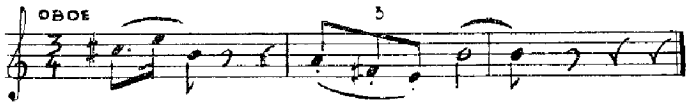
Jerusalem	804 kc/s	373 m	0,4 kW
Jerusalem	575 kc/s	522 m	0,4 kW
Tel-Aviv	651.6 kc/s	460 m	0,8 kW
Tel-Aviv	6830 kc/s	43.99 m	2,5 kW
Haifa	8170 kc/s[1])	36.70 m	0,25 kW
Tel-Aviv	9000 kc/s*	33.30 m	7,5 kW

F. M. Transmitters (0,25 kW each) as links between main Stations only.
[1]) For improvement of local reception only
* Temporary for test purpose. — For special transmissions for new emigrants only
New wavelengths after March 1950:
Jerusalem I 737 kc/s 20 kW — Jerusalem II 1025 kc/s 20 kW — Haifa 1205 kc/s 5 kW.
Daily Programmes: Summer schedule 1/5—31/10: From 03.45-06.00, 07.30-12.15, 13.00-20.30.
With the introduction of Wintertime, evening transmissions are likely to be 30 minutes later, other transmissions partly 60 minutes later partly unchanged. The changes will be announced in the News Bulletins during the last week of October.

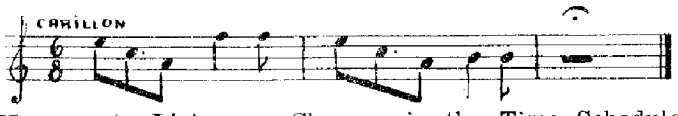
03.45 Morning Prayer
04.15 Music
05.00 News in Hebrew (Sat. 05.15)
05.30 Arabic Progr.
06.00 Close down (Sun. Turkish Progr., Sat. Music)
07.30 Music
09.30 Progr.for Hospitals
10.00 Forces' Progr.
10.30 News in Hebrew
10.45 Housewife's Corner
11.00 News in English
11.15 Arabic Programme
12.00 News in French
13.00 Music
14.30 Music (separate Progr. incl. Children's Corner in Jerusalem)
15.00 News in Hebrew
15.15 Talk
15.30 Children's Corner (separate Progr. in Jesm.)
16.00 Talk
16.15 Arabic Progr.
16.45 Bible Reading and Commentary

On 43.9 m only: News in Turkish (Tuesd., Frid.) or Persian (Mond., Thursd.)
17.00 Forces' Progr. On 33.3 m only: Programme for new Immigrants (Sund., Wednesd.) in Yiddish; Ladino (17.20) and French (17.40-18.00)
17.30 News in Hebrew
17.45 Political Commentary (Frid.: Drama)
18.00 Music, Lectures and Features (see below)
19.15 News in Yiddish for the Diaspora
19.30 News in English
19.45 Music
20.00 News Summary in Hebrew
20.05 Music
20.20 News in Hebrew at dictation speed
Highlights of Programmes:
Sundays: Relays from public Concerts or Opera
Mondays: Soloists (18.10)
Tuesdays: Symphony Concert by the Jerusalem Broadcasting Orchestra
Fridays: Recorded Symphony Concert (18.10)
Saturdays: "Farewell to Queen Sabbath". (The time of this programme, as well as "Welcome to the Sabbath", at present Fridays at 13.30, changes throughout the year, according to the time of Sunset).
Special Features on Saturdays afternoons:
13.00 Recorded Opera
14.00 Contemporary Music (in conjunct. with the ISCM)
Announcements: *Hebrew:* "Kan Shidurei Yisrael". — *Arabic:* "Hunna Mahattat Israil", — *English:* "This is Israel Calling", or "You are listening to the voice of

Israel . . . as well as to the voice of Jerusalem . . .". — *French:* Ici Israel. Vouz allez entendre la Voix d'Israel . . . et la Voix de Jerusalem . . .". —*Yiddish:* "Do Redt Radio Israel". — *Turkish:* "Burasi Tel-Aviv". — *Persian:* "Inja Radio Israil". — *Ladino:* "Aki Kol Israel".
Interval-Signal:
Tel-Aviv: (Bible Cantillation).



Jerusalem: (Popular song on Jerusalem)



Message to Listeners: Changes in the Time Schedule will be broadcast every Sunday at 03.30 GMT in all languages in which Tel-Aviv broadcasts on short waves.

LEBANON (Republic of)

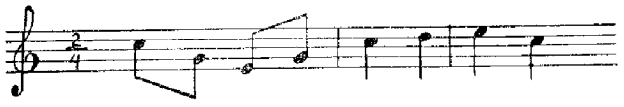
Population: 1.300.000. **Listeners:** c. 15000.
Address: Lebanese Broadcasting Station, Beirut.
Leading Personalities: General Director of the Lebanese Press, Propaganda and Broadcasting Dept.: Mr. Cheikh Fayez Makarem. Chief of the Press Division: Mr. Nagib Lian. Chief of Radio Division: Mr. Fouad Kassem. Chief-Engineer: Mr. J. Rouhayem and Mr. A. Chidiac.
Stations: Beirut

730 kc/s	411 m	4 kW
8036 kc/s	37.34 m	5 kW

Both frequencies are used during all seasons of the year. A 100 kW station is under construction and will be presented by the Lebanese emigrants in North and South America.
Daily Programmes in *Arabic, French* and *English.*
From 04.30-06.00, 10.30-12.30, 15.30-21.00.

05.00 News Arabic
05.30 News French (Weekd.)
06.30 News French (Sund.)
11.00 News Arabic
11.30 News French (only s. w.)
11.45-12.30 Progr. in French (only s. w.)
15.30-16.30 Progr. in English
18.00 News Arabic
19.00-20.15 Progr. in French (only s. w.)
20.45 News Arabic

Highlights of Programmes:
Listeners' Request Concert: Tuesd. 19.15-20.15, Sat. 19.15-20.15, Sun. 11.40-12.30, 19.30-20.15
Announcement: After five minutes of the stations special signal, the Lebanese National Anthem is played and the broadcasts open with: "Houna Beirut, Mahattat al Eza'a al Loubnaniat" (*Arabic*). In *French:* "Ici Beyrouth Station de Radiodiffusion de la Republique Libanaise".
Interval-Signal: For medium- and short-wave:



Message to Listeners: The Lebanese Broadcasting Department welcomes letters from its listeners throughout the world. Any such letters addressed to the "Lebanese Broadcasting Station, Beirut, *Lebanon,* will receive the most careful attention. Reports are answered by QSL-Cards.

SYRIA

Population: 3.450.000. **Listeners:** 30.000.
Address: The Syrian Broadcasting Station, Jamal Pasha Street, Damascus.
Leading Personalities: General Director: Tawfic Hayani. — Assist. G. Director: Youssef Kannani. — Technical Director: Eng. M. Reda Hamzeh. — Director of Programmes: Nashaat Tughlubi.
Stations: Damascus.

592 kc/s	506.8 m	2 kW	6165 kc/s	48.66 m	0.5 kW
7235 kc/s	41.46 m	0,5 kW	11915 kc/s	25.17 m	7.5 kW
15395 kc/s	19.49 m	7.5 kW	17865 kc/s	16.80 m	7.5 kW

The frequencies which will be used after March 1950 are the following: 7145 kc/s, 9550 kc/s, 11805 kc/s, 17745 kc/s. There will be two shortwave Stations emitting at a power of 20 kW.
Daily Programmes: 05.00-06.00, 10.30-13.00, 16.00-21.30
Fridays: 05.00-08.00, 09.00-13.00 and 16.00-21.30
Sundays: 05.00-06.00, 09.30-13.00 and 16.00-21.30
Arabic Programmes:
05.00-06.00 News at 05.20-05.35
12.00-13.00 News at 12.20-12.35
16.00-19.00 News at 17.30-17.50
19.30-21.30 News at 20.15-20.30 and 21.20-21.30
English Programmes:
10.30 National Anthem — 10.32 News — 10.40 Variety music — 10.55 Commentary — 19.00-19.10 News
French Programmes:
11.00 News — 11.10 Variety music — 11.25 Commentary — 19.10 News
Turkish Programmes:
11.30 News — 11.40 Variety music — 11.55 Commentary — 19.20 News
Announcement: "Huna Dimashk" means here is Damascus.
Message to Listeners: Reports are answered by a verification letter.

TURKEY

Population: 17.870.000. **Listeners:** c. 226.638.
Address: Turkish Press Department, Radio Branch, Ankara.
Leading Personalities: Director General of the Turkish Press Publicity and Broadcasting: Mr. Nedim Veysel Ilkin. Director of Radio Branch: Mr. Cevat Menduh Altar.
Stations: *Radio Ankara.*

	704 kc/s	426.1 m	150 kW
TAR	182 kc/s	1648 m	120 kW
TAP	9465 kc/s	31.70 m	20 kW
TAQ	15195 kc/s	19.74 m	20 kW

New wavelengths after March 1950: 620 kc/s 50 kW — 971 kc/s 50 kW — 1016 kc/s 150 kW.
DAILY PROGRAMMES IN TURKISH FROM TAR
Weekdays from 05.30-07.00, 10.30-12.00, 16.00-21.00.
Sundays from 05.30-12.00, 16.00-21.00.
DAILY PROGRAMMES ON SHORT-WAVE
TAQ: *Weeksdays* from 10.30-12.00 (Sat. 13.00).
On *Sundays* from 09.45-12.00.
10.30: Relay TAR. 11.15: Turkish News. 11.30: Relay TAR.
TAP: Daily from 16.00-21.00.

16.00 News, Urdu
16.15 News, Persian
16.30 News, Arabic
17.00 News, (Relay TAR)
17.15 Radio Gazette (Relay TAR)
17.45 News, English
18.00 News, French
18.15 Journal Parlé from TAR
18.30 News, Greek
18.45 News, Rumanian
19.00 News, Serbo-Croat.
19.15 News, Bulgarian
19.30 News, German
19.45 News, Hungarian
20.00-21.00 News in Turkish and National Progr.
21.30 Causerie about Turkey. Presented in English. Mondays and Thursd. Sundays Mailbag
21.30 *Sundays:* Mailbag in English and Classical Music
23.00 Special Broadcast for U. S. A. fortnightly on Tuesdays

Announcement: TAR in Turkish: "Turkiye radyosu". *Short-wave* in Turkish: "Ankara radyosu". In English: "This is Ankara".
Message to Listeners: Reports are verified by QSL-card.

All times are indicated in G.M.T.

EAST

BURMA

Population: 17.000.000. **Listeners:** 5.000.
Radiopublication: Bama Athan no. 28, Windermere Crescent.

BURMA BROADCASTING SERVICE
Address: Burma Broadcasting Service, 28, Windermere Crescent, Rangoon.
Leading Personalities: Director U. Khin Zaw.
Stations: *Rangoon,* 7,5 kW.
9540 kc/s 31.44 m (except Monday) 6035 kc/s 49.71 m
Daily Programmes in *English:*
01.15-01.30 (exc. Monday) Music and News *on 9540 kc/s.*
06.15-06.45 (exc. Monday) Music and News *on 9540 and 6035 kc/s.*
14.15-15.15 Various, News, Progr. Preview for next day *on 6035 kc/s and 314 m.*
Daily Programmes in Burmese: 01.00-01.15, 01.30-02.30 (exc. Mo.), 05.30-06.15 and 06.45-07.30 (exc. Mo.) *on 9540 kc/s;* 12.00-14.15 *on 6035 kc/s.*
Highlights of Programmes:
Classical Music: Sundays 14.15
The Voice of Burma: Thursdays 14,45
Listeners' Request Music: Wedn. and Fri. 14.30
Local Artists: Mon. and Sat. 14.30
Announcement: "This is the Burma Broadcasting Service, Rangoon".
Interval-Signal: *English programmes:* Signature tune: Eric Coates': "Calling All Workers". Interim tune between programme and news: "Mozarts Minuetto Allegretto in E Flat". After the news: "Shepherd's Dance" from Beethoven's "Pastoral Symphony". Close down at 15.15 with Burmese National Anthem.
Burmese Programmes: Signature tune: Burmese oboe, gongs and drums.
Message to Listeners. Reports answered by QSL cards.

CEYLON

Radiopublication: Ceylon Radio Times, Broadcasting House, Colombo.
Addresses: Radio Ceylon (operated for and on behalf of the B. B. C.) Torrington Square, Colombo. — Radio Colombo, Torrington Square, Colombo.
Leading Personalities: Director of Broadcasting: John Lampson. — Chief Engineer: W. R. Fletcher. — Secretary, Broadcasting Service: H. de S. Gunawardene. — Controller of Programmes: Richard Weerasooriya. — Organiser of BBC Programmes for Radio Ceylon: James F. Mudie.
Stations:
Radio Ceylon:
15120 kc/s, 19.84 m (at present operating on 100 kW.)
21620 kc/s, 13.88 m (at present operating on 7.5 kW.)
Other frequencies which are available and in use from time to time depending on propagation conditions are: 3395 kc/s — 9825 kc/s — 17770 kc/s — 6075 kc/s — 11770 kc/s — 21470 kc/s — 9520 kc/s — 17730 kc/s
Radio Colombo:
700 kc/s (operating on 15 kW) — 923 kc/s (operating on 7.5 kW) — 4900 kc/s (operating on 7.5 kW)
Daily Programmes.
Radio Ceylon: Daily: 08.25-17.05.

08.25 Progr. Summary
08.30 Music
10.00 Talk
10.15 Music
10.45 Talk
11.00 News
11.15 Japanese Progr.
11.45 News in French
12.00 English Half-Hour
12.30 Request Progr.
13.00 News
13.15 Forces Progr.
13.30 Progr. in Kuoyu
14.00 News, Commentary in Burmese
14.15 News in Hindustani
14.30 Music
14.45 Radio Newsreel
15.00 News in Urdu
15.15 Talk
15.30 Music
15.45 Talk
16.00 News
16.15 Music
17.00 Summary of next day's broadcasting

Radio Colombo: Daily: 02.00-03.30; 05.00 (Sat. 05.30)-08.30; 10.30-17.00.

Weekdays:
02.00 Western Music
02.30 News from All India
02.45 Sinhalese Music
03.00 Tamil Music
05.00 Schools' Broadcast (Weekd. only)
05.35 Tamil Music
06.20 News in Tamil
06.30 Sinhalese Music
07.00 Hindustani Music
07.20 News in Sinhalese
07.30 Western Music
07.45 News in English
08.00 Western Progr.
10.30 Sinhalese or Tamil
11.30 Request Progr. (Western Music)
12.15 Sinhalese and Tamil
13.30 News in Tamil
13.40 News in Sinhalese
13.50 News in English
14.00 Various in half-hour period
16.00 News in English (B.B.C.)
16.15 Western Progr.
16.30 Various

Sundays:
02.45 Sinhalese Religious Talk
03.30 Church Services
04.30 Various
06.30 Western Progr.
07.30 Sports Summary
07.45 News in English
08.00 Western Music
10.30 Tamil Music
11.00 B.B.C. News
11.15 RequestProgr. Western Music
11.30 Tamil Talk
11.45 Tamil News
12.00 Half hour progr. in English, Sinhalese or Tamil Church
15.00 Western Classical Music
15.55 Announcements
16.00 News (B.B.C.)
16.15 Religious service
16.30 Music (B.B.C.)

Announcement:
Radio Ceylon: "This is Radio Ceylon".
Radio Colombo: "This is Colombo, Ceylon".
Interval Signal and Signature Tune: *Radio Ceylon:* "Strike up the Band" played as "Glockenspiel" motif.
Message to Listeners: All reception reports from listeners are acknowledged.

CHINA

SHORTWAVE STATIONS UNDER THE CENTRAL BROADCASTING ADMINISTRATION
The Chinese International Broadcasting Station, Chungking.

BEF 6	6140 kc/s	48.86 m	35 kW
BEF 6	7153 kc/s	41.94 m	10 kW inactive
BEF6	9658 kc/s	31.06 m	35 kW
BEF 7	11913 kc/s	25.18 m	35 kW
BEF 8	15170 kc/s	19.78 m	35 kW

Taiwan Broadcasting Station, Taipei, Formosa.
BED 9 7222 kc/s 41.54 m 10 kW
Taiwan Air Force Broadcasting Station, Taipei.
BCAF 8990 kc/s 33.37 m and 11680 kc/s 25.68 m
Amoy Broadcasting Station, Amoy, Fukien.
BED 8 9552 kc/s 31.41 m 0,5 kW
Kwangchow Broadcasting Station, Canton, Kwantung.
BEE 4 9700 kc/s 30.93 m 1 kW
Kwangsi Educational Broadcasting Station, Kweilin, Kwangsi.
9820 kc/s 30.52 m 0,5 kW
Kweichow Broadcasting Station, Kweiyang, Kweichow.
BEF 9 6065 kc/s 49.46 m 10 kW
Lanchow Broadcasting Station, Lanchow, Kansu.
BEM 6 9500 kc/s 31.58 m 0,2 kW

THE CHINESE INTERNATIONAL BROADCASTING STATION, "The Voice of China".
Address: The Chinese International Broadcasting Station, Broadcasting House, 295 Chung Shan San Lu, Chungking.
Leading Personalities: Director: Fung Chien.

Mrs. Roshen Menon, News Reader of All India Radio.

Radio Sesul HLKA Korea: Mr. Lee Sung Soo playing records.

map East All India Radio Roshen Menon Radio Sesul HLKA Korea Li Sung Soo

The Voices from Chungking.

Leading Personalities: Director: Fung Chien.
Daily Programmes: *On 7153 kc/s and 15170 kc/s*
09.25-10.35: Baltimore Gospel Hour — *Sundays*
09.55-10.35: Back to the Bible — *Saturdays*
10.40-11.05: Showers of Blessing — *Mondays*
On 7153 kc/s and 11913 kc/s from 12.00-16.50

12.00 Chinese Music	13.40 Peiping Opera
12.05 News in Mandarin	14.00 News in Cantonese
12.30 Cantonese Music	14.10 Chinese Music
12.35 News in Cantonese	14.30 News in Mandarin
12.45 Western Music	14.40 Western Music
13.00 News in English	15.00 News in English
13.10 Chinese Songs	15.10 Western Music
13.20 News in Mandarin	15.15 The Symphony Hour
13.30 News in Siamese	16.00 News in Mandarin

Announcement: "The Voice of China in Chungking" or "This is China calling from Chungking". — Announcements are also given in Mandarin, Cantonese and Siamese.
Interval-Signal and Signature Tune: Each transmission begins with series of chimes, heard at 09.55, 11.35, 13.45. Daily transmission signs off at approximately 16.50 GMT with Chinese National Anthem played by military band.
Reports from Listeners: All letters or communications are answered by letter and acknowledged over the air as well during "Symphony Hour" programme on Saturdays and Sundays. When writing to XGOY, return postage should be enclosed. Requests for musical selections are complied with whenever possible.

TAIWAN BROADCASTING STATION
Address: Taiwan Broadcasting Station, Taipei, Taiwan.
Daily Programmes from 21.30-23.30, 02.55-05.00 and 08.30-14.30.

TAIWAN AIR FORCES BROADCASTING STATION
BCAF 8990 kc/s and 11.680 kc/s from 09.30-15.00, 22.00-23.00.
Entire programme in Chinese with a lot of western music. — On Wednesday at 11.10-11.45 an English lesson.

KWANGCHOW BROADCASTING STATION
Address: Kwangchow Broadcasting Station, Canton, Kwangtung.
Daily Programmes from 03.00-07.00, 09.00-15.00.

AMOY BROADCASTING STATION
Address: Amoy Broadcasting Station, Amoy, Fukien.
Daily Programmes from 09.00-14.00.

KWANGSI EDUCATIONAL BROADCASTING STATION
Daily Programmes from 10.30-14.30.

KWEICHOW BROADCASTING STATION
Address: Kweichow Broadcasting Station, Kweiyang.
Daily Programmes from 04.30-06.00, 07.00-09.00, 10.00-14.00.

LANCHOW BROADCASTING STATION
Address: Lanchow Broadcasting Station, Lanchow, Kansu.
Daily Programmes from 23.30-01.30, 04.00-07.00.

SHORT-WAVE STATIONS UNDER THE PEOPLE'S REPUBLIC OF NORTH CHINA (Communist govt).
Address: Hsin Hua Broadcasting Station, Peiping.

Changchow	7298 kc/s	41.10 m	0,1 kW
Harbin	7098 kc/s	42.27 m	0,1 kW
Mukden	9760 kc/s	30.74 m	0,1 kW
Nanking	12190 kc/s	24.69 m	5 kW
	9730 kc/s	30.83 m	5 kW
	5985 kc/s	50.13 m	5 kW
North Shansi area	9041 kc/s	33.18 m	0,1 kW
	7500 kc/s	40.00 m	0,1 kW
	5885 kc/s	50.97 m	0,1 kW
Peiping	10260 kc/s	29.25 m	10 kW
	7500 kc/s	40.00 m	0,5 kW
	6100 kc/s	49.18 m	1,0 kW
Shanghai	11800 kc/s	25.42 m	5 kW
Tientsin	7222 kc/s	41.54 m	5 kW

HONG-KONG

Address: Radio Hong-Kong, Gloucester Building, Hong-Kong.
Leading Personalities: A Government controlled station with an advisory committee under the chairmanship of the Postmaster General. Programme Director: Mr. D. Keith Hardy. Supervisor of Chinese Programmes: Mr. S. C. Lau. Chief-Engineer: Mr. W. A. M. Ramsbotham. News and Talks Editor: Mr. P. O. Phillips.
Stations: *Hongkong* 2,5 kW.
Z. B. W. 3 9525 kc/s 31.49 m
Daily Programmes in *English:* From 04.30-06.00 and 10.00-14.30.

04.30 Records. Progr. Preview	12.00 From The Editoriais (BBC)
05.15 News in English	14.00 Radio Newsreel
05.30 Records	(BBC)
10.00 Children's hour	14.15 Summary of news
11.00 Home News, BBC	from China

In Chinese from 04.30-06.00, 10.00-14.30.
Announcement:
English: "This is Radio Hong-Kong".
Chinese: "Heung Kong Kwang Tian Toi".
Interval-Signal: March.
Message to Listeners: We are always glad to receive listeners' comments or programmes and reception, and all letters are answered.

INDIA

Radio-Publications: "Indian Listener" (English), Curzon Road Barracks, New Delhi. "Awaz" (Urdu), "Sarang" (Hindi) — "Betar" (Bengali), A. I. R.-Calcutta. "Vanoli" (Tumil), A. I. R.-Tiruchirapalli, South India. "Nabhovani" (Gujerati), A. I. R.-Baroda. "Vani" (Telugu), A. I. R.-Madras, Radio Times of India, Bombay.
Address: Directorate-General, All India Radio, Broadcasting House, Parliament Street, New Delhi. Telegrafic Address: "Airgeneral", New Delhi.
Leading Personalities: Director-General: Mr. N. A. S. Lakshmanan, M. A. (Oxon) J. P. — Chief-Engineer: Mr. B. V. Baliga, A. M. I. R. E. — Deputy Director-Generals: Mr. S. N. Chaturvedi. — Mr. S. Gopalan, A. M. I. E. E. — Mr. C. N. Sen. — Mr. G. D. Sondhi. — Deputy Chief-Engineers: Mr. A. C. Ramchandani. — Mr. T. D. Chatterjee. — Director of Programmes: Mr. S. N. Chib. — Director of Public Relations: Mr. Mardhekar. — Director of Programmes' Planning: Mr. K. S. Mullick. — Director, Staff Training School: Mr. V. K. Narayana Menon. — Director of News Services: Mr. M. L. Chowla. — Deputy Director of External Services: Miss Mehra

All times are indicated in G.M.T.

China Voices from Chingking Hongkong India

Masani (General). — Deputy Directors: Mr. K. P. Shungula (Far East). — Major Amin (Middle East).

Stations:

Delhi:	kc/s	m	kW		kc/s	m	kW
VUD 2	3495	85.84	10	VUD 10	15130	19.83	20
VUD 11	4860	61.73	20	VUD 11	15130	19.83	20
VUD 2	4960	60.48	10	VUD 3	15160	19.79	5
VUD 8	6010	49.92	7,5	VUD 7	15160	19.79	100
VUD 9	6010	49.92	7,5	VUD 10	15160	19.79	20
VUD 11	6010	49.92	20	VUD 10	15170	19.78	20
VUD 3	6110	49.10	5	VUD 11	15190	19.75	20
VUD 7	6190	48.47	100	VUD 5	15190	19.75	100
VUD 10	7210	41.61	20	VUD 5	15210	19.72	100
VUD 3	7225	41.52	5	VUD 3	15290	19.62	5
VUD 3	7270	41.27	5	VUD 11	15290	19.62	20
VUD 8	7275	41.24	7,5	VUD 10	15290	19.62	20
VUD 10	7275	41.24	20	VUD 9	15350	19.54	7,5
VUD 11	7275	41.24	20	VUD 3	17760	16.89	5
VUD 2	7290	41.15	10	VUD 11	17780	16.87	20
VUD 8	7290	41.15	7,5	VUD 7	17830	16.83	100
VUD 5	7290	41.15	100	VUD 3	17830	16.83	20
VUD 10	7290	41.15	20	VUD 10	17830	16.83	20
VUD 7	9565	31.36	100	VUD 5	17830	16.83	100
VUD 8	9570	31.35	7,5	VUD 5	17840	16.82	100
VUD 7	9590	31.28	5	VUD 7	17840	16.82	100
VUD 3	9590	31.28	5	VUD 8	21510	13.95	7,5
VUD 5	9590	31.28	100	VUD 10	21510	13.95	20
VUD 7	9620	31.19	100	VUD 11	21510	13.95	20
VUD 2	9630	31.15	10	VUD 5	21510	13.95	100
VUD 10	9630	31.15	20	**Bombay:**			
VUD 9	9630	31.15	20	VUB 2	4840	61.98	10
VUD 11	9660	31.06	20	VUB 2	7240	41.44	10
VUD 3	9670	31.02	5	VUB 3	7240	41.44	10
VUD 9	9670	31.02	7,5	VUB 2	9550	31.41	10
VUD 11	9680	30.99	20	VUB 3	9550	31.41	10
VUD 9	9680	30.99	7,5	**Calcutta:**			
VUD 2	9680	30.99	10	VUC 2	4880	61.48	10
VUD 5	11710	25.62	100	VUC 2	6010	49.92	10
VUD 11	11760	25.51	20	VUC 2	7210	41.61	10
VUD 7	11760	25.51	100	VUC 3	7210	41.61	0.25
VUD 7	11790	25.45	100	VUC 2	9530	31.48	10
VUD 11	11790	25.45	20	VUC 3	9530	31.48	0.25
VUD 5	11790	25.45	100	**Madras:**			
VUD 8	11830	25.36	7,5	VUM 2	4920	60.98	10
VUD 10	11830	25.36	20	VUM 2	7260	41.32	0.25
VUD 4	11850	25.32	10	VUM 3	7260	41.32	10
VUD 8	11870	25.27	7,5	VUM 3	7260	41.32	0.25
VUD 9	11870	25.27	7,5	VUM 3	9590	31.28	0.25
VUD 11	11890	25.23	20	VUM 2	9590	31.28	10
VUD 7	11890	25.23	100				

OVERSEAS SERVICE

Daily Programmes from Delhi to listeners outside India:

In *English.*

00.30 on 19-16 m. b.
02.30 on 41-31-25-19 m. b.
04.15 on 19-16 m. b.
07.30 on 19-16-13 m. b.
08.00 on 25-16 m. b.
12.30 on 30-25-16 m. b.
13.30 on 19-16 m. b.
15.00 on 19-16 m. b. (to Europe)
15.30 on 49-41-31-25-19 m. b.
17.15 on 19-16 m. b.
19.00 on 31-25-19 m. b. (to Europe)

In other languages:

00.45	Tamil	on 19-16 m. b.
	Burmese	on 25-19 m. b.
01.00	Hindustani	on 19-16 m. b.
01.30	Telugu	on 31-25-19 m. b.
	Assamese	on 30-25-19 m. b.
01.45	Tamil	on 31-25-19 m. b.
02.00	Malayalam	on 31-25-19 m. b.
	Bengali	on 30-25-19 m. b.
02.45	Hindustani	on 41-31-25-19 m. b.
03.00	Marathi	on 30-25 m. b,
	Punjabi	on 41-31 m. b.
03.15	Pushtu	on 41-31 m. b.
03.30	Hindustani	on 41-31 m. b.
04.00	Kashmiri	on 41-31 m. b.
07.20	Marathi	on 25-19 m. b.
	Bengali	on 25-19 m. b.
07.30	Gujerati	on 25-19 m. b.
08.10	Hindustani	on 30-25-16 m. b.
08.20	Telugu	on 25-16 m. b.
08.30	Tamil	on 25-16 m. b.
08.40	Malayalam	on 25-16 m. b.
	Punjabi	on 30-25 m. b.
09.30	Kuoyu	on 19-16 m. b.
10.15	Cantonese	on 19-16 m. b.
11.00	Hindustani	on 16-13 m. b.
11.15	Burmese	on 19-16 m. b.
12.00	Tamil	on 16-13 m. b.
	Indonesian	on 19-16 m. b.
12.40	Hindustani	on 30-25-16 m.b.
12.45	Kashmiri	on 41-31 m. b.
13.30	Telugu	on 25-19 m. b.
13.45	Tamil	on 25-19 m. b.
14.00	Malayalam	on 25-19 m. b.
	Bengali	on 30-25 m.b.
14.30	Marathi	on 25-19 m. b.
	Hindustani	on 41-31 m. b.
14.45	Gujerati	on 25-19 m. b.
	Pushtu	on 41-31 m. b.
15.45	Hindustani	on 49-41-25-19 m.b.
16.00	Hindustani	on 19-16 m. b.
16.10	Afghan-Persian	on 49-41-25-19 m. b.
16.30	Gujerati	on 19-16 m. b.
16.45	Persian	on 49-41-25-19 m. b.
17.30	Arabic	on 49-41-25-19 m. b.
23.45	Indonesian	on 25-19 m. b.

Mr. Beau George, Asst. Editor to the Radio Times of India, speaking from All India Radio's Bombay studio.

Daily Home Programmes from Delhi, Bombay, Calcutta and Madras:

Home News in English:

08.00 on 31-25-19-16 m. b.
12.30 on 41-31-25-19 m. b.
15.30 on 85-60-49-31-25-19-16 m. b.
16.00 on 60-41-31-25-19-13 m. b.

Announcement: "You are listening to All India Radio".

Interval-Signal: All India Radio's signature tune is a melody of eight seconds' duration repeated with intervals of 10 seconds in between. The instruments used are Violin, Viola, Cello and Tampura.

Message to Listeners: Reports from Listeners are answered with special QSL card. — It is not necessary to enclose return postage. —

All times are indicated in G.M.T.

Radio Times India Bombay Beau George

AKASHVANI BROADCASTING STATION, MYSORE
Station: VU7MC 6026 kc/s 49.79 m 5 kW
Daily Programmes from 01.30-03.40, 08.30-09.40, 12.00-16.40
News in English at 02.30, 12.30 and 14.30 (Tuesday).
RADIO HYDERABAD, HYDERABAD
Station: VUV 3335 kc/s 89.92 m
Daily Programmes from 03.00-18.40.
News in English at 03.10, 07.30, 15.10 and 17.30.
Announcement: "This is Deccan Radio Hyderabad". Close down at 18.40 with National Anthem of Hyderabad.
RADIO PAKISTAN
Radiopublications: "Pakistan Calling" in English (Fortnightly).
Address: Radio Pakistan Headquarters, Office of the Controller of Broadcasting. 92 Bhurgari Road, Opposite Witthal-Bhai Park, Bunder Road Extension, Karachi.
Leading Personalities: Controller of Broadcasting: Mr. Z. A. Bokhari, Deputy Controller of Broadcasting (Programmes): Mr. Rashid Ahmed, Deputy Controller of Broadcasting (Administration): Mr. Ahmad Salman, Director of Engineering: Mr. Riaz Ahmad, Editor-in-Charge (Radio Journals): Mr. Mohd. Aslam, Director of News Mr. Mohd. Sarfraz, Station Director; Karachi: Mr. S. S. Niazi, Station Director Dacca: Captain A. Haque.
Stations:

Karachi	APK 2	6075 kc/s	49.38 m	0,25 kW
		9665 kc/s	31.04 m	50 kW
	APK 3	11885 kc/s	25.24 m	50 kW
Dacca	APD 1	15335 kc/s	19.56 m	7,5 kW
	APD 2	11890 kc/s	25.23 m	7,5 kW

Daily Programmes from Karachi. External Service:
13.30-14.15 on 9665 kc/s, 11885 kc/s Burmese Service
16.00-16.45 on 11885 kc/s Iranian Service
17.00-17.40 on 9665 kc/s, 11885 kc/s Afghan-Persian Serv.
17.45-18.30 on 11885 kc/s Arabic Service
19.00-19.45 on 11885 kc/s Arabic Service
Each service consists of a 10 minutes news bulletin, talk about Pakistan, commentaries, features, music and other items.
Daily Programmes from Dacca on 15335 kc/s Home Service:
01.30-03.00, 05.30-07.30 (Frid. 06.30), 11.00-16.30.
News in English at 02.00, 06.10, 12.00 and 15.15.
Interval Signal: Clock Chimes.
Message to Listeners: Reports answered by QSL letter.
RADIO SRINAGAR, KASHMIR
Station: 4865 kc/s 61.66 m
Daily Programmes from 02.30-04.00, 06.00-07.30, 11.30-16.30
Relay of *News* from All India Radio at 02.30, 12.30 and 15.30 on 4865 kc/s.

PORTUGUESE INDIA

Address: Emisora de Goa.
Stations: Emisora de Goa.
9610 kc/s 31.22 m 0,5 kW winter
7230 kc/s 41.49 m 0,5 kW
Daily Programmes from 12.30-15.30.
In *Portuguese* from 12.30-13.30 (on Mondays, Wednesdays and Fridays). 13.30-14.30 (Sund., Tuesd., Thursd. and Saturd.)
In *English:* Sundays from 06.30-07.30.
Announcement: "This is Radio Goa, the Voice of Goa, the Voice of Portugal".

INDOCHINA (French)

Population 25 millions. **Listeners** 100.000.
VIETNAM
Address: Radio Saigon, 86 rue Mac Mahon, Saigon (South-Vietnam).
Leading Personalities: Director General: Mr. Jean Varnoux. Head of the English Dept.: Mr. Jean Pipon. Head of the Vietnamese Dept.: Mr. Hoang Cao Tang.
Stations: Radio Saigon 12 kW
11780 kc/s 25.47 m 6165 kc/s 48.66 m
Daily Programmes:
In *French:*
23.15-00.30 News and Music on 6165 kc/s
02.00-03.00 News at dictation speed on 6165 kc/s and 11780 kc/s
09.00-10.00 Concert or Talk for the Forces on 6165 kc/s (with 2 programmes in Arabic Tuesd. and Frid.)
12.00-13.30 News, Music/Theatre on 6165 kc/s and 11780 kc/s
13.30-14.30 Music on 6165 kc/s
14.30-14.45 News on 6165 kc/s and 11780 kc/s
14.45-15.30 Relay from Paris on 6165 kc/s and 11780 kc/s
In *English:* On 11780 kc/s:
23.30-24.00 News, Music
00.30-01.00 Music, News
09.15-10.30 Talk, Music, News (10.00) Music
13.30-14.30 Music, News (14.00) Music
In *Vietnamese:* On 11780 and 6165 kc/s. News and Vietnamese Music. 23.00-23.15, 03.30-04.30 and 11.00-12.00
In *Chinese:*
00.00-00.15 on 11780 kc/s, 03.00-03.30 on 11780 and 6165 kc/s, 08.15-09.00 on 11780 and 6165 kc/s
In *Laotian* from 10.30-10.45 on 11780 kc/s
In *Siamese* from 10.45-11.00 on 11780 kc/s
In *Japanese* from 09.15-09.30 (Mo. only) on 11780 kc/s
Highlights of the English Programmes:
Talks: Mo. at 09.30, Wedn. and Sat. at 09.15
French Songs: Mo. at 09.40, Sat. at 09.25
Classical Music: Tuesd. at 09.15
Chamber Music: Thursd. at 09.25
Radio Theatre: Wedn. at 13.30
Announcement: "Ici Radio Saigon. La Voix de la France en Extrême-Orient."
"This is Radio Saigon — The Voice of France in the Far-East."
Interval-Signal: Gong.
Message to Listeners:
We cordially invite our Overseas listeners to send us reports of reception of our programmes, give us their opinion on our broadcasts and make suggestions which will always receive our best attention. All reports should be addressed to M. Jean Pipon, English Dept, Radio Saigon. They will be answered twice: once over the air, every Friday at 10.30 and 13.45 GMT and again by means of a verification card or personal letter.
REGIONAL STATIONS
Radio Dalat. (Centre-Vietnam)
Station: Radio Dalat 6180 kc/s 48.54 m 1 kW
Daily Programmes in French: From 23.00-01.00, 13.30-14.30.
Radio Hué. (Centre-Vietnam)
Station: Radio Hue 7205 kc/s 41.64 m 1 kW
Daily Programmes in *French* and *Vietnamese* from 23.00-01.00, 03.00-05.00, 09.30-15.30. —
Reports answered by QSL card.
Radio France-Hanoi.
Station: Radio France-Hanoi 6190 kc/s 48.47 m 1 kW
Daily Programmes in *French* and *Vietnamese* from 00.00-01.30, 03.30-05.00, 10.20-14.00. —
CAMBODGE
Station: Pnompenh 6090 kc/s 49.26 m 1 kW
Daily Programmes in *French, Cambodian, Vietnamese* and *Cantonese* from 23.00-00.15, 04.00-05.30, 09.55-12.00.

INDONESIA

The official broadcasting organization — the Stichting "Radio-Omroep in Overgangstidj" — is controlled by

the Federal Government of Indonesia.
Address of Head-office: Koningsplein Zuid 17, Batavia-Centrum, Java.
38 Transmitters are used in 17 towns for the Home Services and the Overseas Services, the latter being carried on only in Batavia, the capital of the United States of Indonesia.
Radiopublications: Pedoman Radio, Programme-weekly of Radio Indonesia.
Leading personalities: Government Commissioner: Dr. P. J. Koets. — Chairman: Mr. R. Schrader. — Acting Director and Head of Administration: Dr. M. P. G. Kappeyne van de Copello. — Head of Programme Department: Mr. F. L. A. Nieuwenhuys. — Head of Technical Department: Ir. M. P. Breedveld. — Head of News Service: Dr. J. W. Niessink. — Deputy Head of News Service: Mr. M. L. Rengkoe. — Secretary: Dr. W. B. Meyboom.
Announcements: This is Radio Indonesia from ..... (name of town where station is situated).
Disini ..... Radio Indonesia (Indonesian).
Hier is Radio Indonesia te ..... (Dutch).
Message to Listeners: If interested in one station only listeners are requested to send reports directly to the station-addresses, in any other case to the head-office of Radio Indonesia, Koningsplein Zuid 17, Batavia-Centrum, Java.

BORNEO

PONTIANAK:
Address: Radio Indonesia, Studio Pontianak.
Station:
YDW 2350 kc/s 127,6 m 0,25 kW
Daily Programmes in *Dutch:* 11.25—13.00. — in *Indonesian:* 13.00—13.30.

BANDJERMASIN
Address: Radio Indonesia, Studio-Bandjermasin, Marinelaan, Bandjermasin.
Station:
YDO 2450 kc/s 122.45 m 0,35 kW
Daily Programmes in *Dutch:* 10.00-14.00.

CELEBES

MAKASSAR:
Address: Radio Indonesia, Studio Makassar, Strandweg Zuid 2, Makassar.
Station-Manager: Mr. A. O. A. Niederer.
Stations:

YDQ2	5030 kc/s	59.64 m	0,25 kW
YDQ	9550 kc/s	31.41 m	8 kW
YDQ3	11084 kc/s	27.06 m	2,5 kW

Daily Programmes in *Indonesian:*
Weekdays:

22.00-23.00	YDQ, YDQ2	News 22.30
23.00-00.00	YDQ2	News 23.30
04.00-05.00	YDQ, YDQ2	News 04.30
05.00 06.30	YDQ2	News 06.15
09.00-15.00	YDQ, YDQ2	News 09.30, M*, 12.00, 14.00

Sundays:

23.00-06.30	YDQ, YDQ2	News 23.30, 06.15
09.00-15.00	YDQ, YDQ2	News 09.30, M*, 12.00, 14.00

Special Forces programme: 12.00-14.00 on YDQ3.
* M — Makassar and Buginese language.
Daily Programmes in *Dutch:*
Weekdays:

23.00-00.00	YDQ	News 23.30
05.00-06.30	YDQ	News 05.15, 06.15
10.00-15.00	YDQ3	News 10.15, 12.00

Sundays:

23.00-06.30	YDQ3	News 23.00, 24.00, 05.00, 06.15
09.00-15.00	YDQ3	News 10.15, 12.00

Special Forces programme: 10.00-12.00.

MENADO:
Address: Radio Indonesia, Studio-Menado.
Station: YDS 3230 kc/s 92.88 m 0,4 kW
Daily Programmes
in *Indonesian:* 10.00-12.00 News 11.00
in *Dutch:* 11.30-14.10 News 12.00, 14.00

JAVA

BATAVIA: (In Indonesian: Djakarta)
Address: Radio Indonesia, Studio Batavia, Koningsplein West 4-5, Batavia.
Station-Manager: Mr. W. J. C. van Starrenburg.
Asst. Station-Manager: Mr. R. Banthen.
Eastern Stations:

YDB	2240 kc/s	133.9 m	0,3 kW
YDB2	4910 kc/s	61.10 m	0,3 kW
YDB3	7270 kc/s	41.26 m	0,3 kW
YDE	11770 kc/s	25.49 m	3 kW
YDC	15150 kc/s	19.80 m	3 kW

Daily Programmes in *Indonesian:*
Weekdays: 22.00 00.00, 04.00-06.30, 09.00-23.00.
News: 22.30, 23.30, 04.30, 06.15, 11.00, 14.00 (not YDB3, YDC).
Sundays: 23.00-06.30, 09.00-23.00.
News: 23.30, 04.30, 06.15, 11.00, 14.00 (not YDB3, YDC).
Special Forces' Programme 22.00-23.00 (Sun. 23.00-24.00), 04.00-05.00, 10.00-11.00 and 14.15-15.00.
Western Stations:

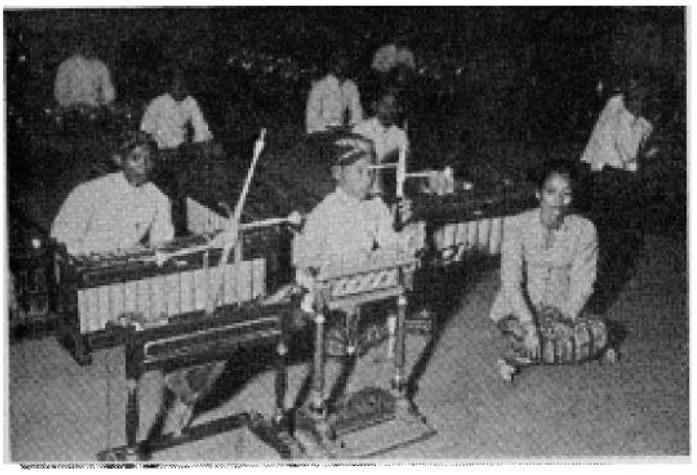
YDD	2600 kc/s	115.4 m	0,3 kW
YDD2	4865 kc/s	61.66 m	0,3 kW
YDD3	6170 kc/s	48.62 m	0,3 kW
PLB4	10365 kc/s	28.94 m	3 kW
PLB9	11000 kc/s	27.27 m	3 kW

Daily Programmes in Dutch:
Weekdays: 22.00-00.00, 04.00-06.45, 09.00-15.00 (PLB4 from 09.30-15.00)
News: 22.30, 23.30, 05.00, 06.30 (not PLB4), 11.30, 22.00 (not PLB9)
Sundays: 23.00-06.45, 09.00-15. (PLB4 from 09.30-15.00)
News: 23.00, 00.00, 05.00, 06.30, 11.30, 22.00 (not PLB9)
(A separate programme with two religious services is given on the detached transmitters YDD, PLB4 and PLB9 from 00.15-03.15)
Special Forces' programme: 22.00-23.00 (Sund. 23.00-00.00 and 01.45-03.15), 04.00-05.00, 10.00-11.00 and 14.10-15.00.

OVERSEAS-SERVICE AND THIRD PROGRAMME:
Stations:

YDC2	6045 kc/s	49.63 m	100 kW
YDB3	7270 kc/s	41.26 m	0,3 kW
PLB9	11000 kc/s	27.27 m	3 kW
YDC	15150 kc/s	19.80 m	100 kW
PLD6	17630 kc/s	17.02 m	2,5 kW
PLF2	19345 kc/s	15.51 m	2,5 kW

A 100 kW transmitter is under construction. It will be in normal service at the end of 1949 on 6045 kc/s (YDC2) 09.00-15.00 to South East Asia and on 15150 kc/s (YDC) when directed to Australia, Malaya, India, Middle East and Europe. PLB9 will then be used for the Dutch programme only. A U.S.A. beam will complete the scheme with a new programme.
Daily Programmes:
Directed to South-East-Asia:
22.00-06.30 Indonesian, YDB3, YDC
06.30-08.00 Dictation-news Indonesian, YDB3, YDC, YDE
08.00-09.30 Dictation-news Dutch, YDB3, YDC, PLB4, PLB9
09.30-10.00 Records, YDB3, YDC, PLB9
10.00 News in Javanese, YDB3, YDC, PLB9
10.15 News in Indonesian, YDB3, YDC, PLB9
10.30 News in Chinese, YDB3, YDC, PLB9
10.45 Economic News, Indonesian, Dutch, YDB3, YDC, PLB9
Directed to Australia, Malaya, India:
11.00-12.00 English (News 11.00, 11.50), YDB3, YDC,



Radio Batavia: Javanese Gamelan Orchestra "Seni Djawa Studio Batavia" conducted by Ki Sosrohutomo; singer Bok Mas Suratmi.

Directed to South-East-Asia:
12.00-13.00 Dictation-news, Indonesian, YDB3, YDC, PLB9
13.00-13.15 News in Sudanese, YDB3, YDC, PLB9
13.15-14.00 Arabian, YDB3, YDC, PLB9
Directed to Indo-China, Philippines and Madagascar:
15.00-16.00 French (News 15.05, 15.50, Dance-Music 15.30-15.50), YDB3, YDC, PLB9, YDE
Directed to Holland:
16.00-17.00 Dutch (News 16.30), YDC, PLF2
Directed to Arabian Countries:
16.00-17.00 French (News 16.35), PLD6
17.00 18.00 Arabian, Arabian Music 17.00, Commentary
17.15 Indonesian Music 17.30, News 17.45, PLD6
Directed to Europe:
17.00-18.00 French (News 17.05, 17.50, Dance music 17.30-17.50), PLF2

BANDOENG
Address: Radio Indonesia, Studio-Bandoeng, Bukittunggulweg, Tjiumbuleuit, Bandoeng.
Station-Manager: Mr. L. J. Radersma.
Eastern Stations:
YDA2 2415 kc/s 124.20 m 0,15 kW
YDA3 4945 kc/s 60.61 m 0,15 kW
Daily Programmes in Indonesian:
Weekdays: 22.25-00.30, 04.00-06.30, 09.30-15.00.
News: 22.30, 23.30, 00.00 (S.), 04.30, 05.00 (S.), 06.15, 11.00, 13.00 (S.), 14.00.
Sundays: 23.00-06.30, 09.30-15.00.
News: 23.30, 00.00 (S.), 04.30, 05.00 (S.), 06.15, 11.00, 15.00 (S.), 14.00.
S. = Sudanese language.
Western Station:
YDA 3390 kc/s 88.50 m 3 kW
Daily Programmes in Dutch:
Weekdays: 22.30-24.00, 04.00-06.45 and 09.30-15.00 (Sat. 15.30)
Sundays: 23.00-06.45 and 09.30-15.00
News (relay from Batavia): 22.30 (Weekd.), 23.30 (Weekd.), 23.00, 05.00, 06.30 and 11.30, 13.00 (relay from PCJ-Holland).

SOERABAJA
Address: Radio Indonesia, Studio-Soerabaja, Kajoon 34, Soerabaja. Station-Manager: R. Ng. Margono Notokusumo. Asst. Station-Manager: Mr. C. Mooyman.
Indonesian Programme:
Stations:
YDI 3980 kc/s 75.38 m 5 kW
YDI3 7295 kc/s 41.12 m 0,4 kW
Weekdays: 22.25-00.00, 04.00-06.25, 09.00-15.00
News: 22.30, 23.30, 04.30, 05.00 (M.), 05.30, 06.15, 10.35 (M.), 11.30 (J.), 14.00.
Sundays: 23.00-06.25, 09.00-15.00
News: 23.30, 05.30, 06.15, 10.35 (M.), 11.00, 11.30 (J.), 14.00
M. = Madurese, J. = Javanese language.
Special Forces' Programme: 11.15-11.30, 11.45-12.30.
Dutch Programme:
Stations:
YDI 3240 kc/s 92.59 m 0,3 kW
YDI4 4840 kc/s 61.98 m 1,2 kW
Weekdays: 22.25-00.00, 04.00-06.45, 09.00-15.00
News: 22.30, 23.30, 05.00, 06.30, 11.30, 15.00 (PCJ), 14.00
Sundays: 23.00-06.45, 09.00-15.00
News: 23.00, 05.00, 06.30, 11.30, 13.00 (PCJ.), 14.00
PCJ. = Relay from PCJ. Holland.

SEMARANG:
Address: Radio Indonesia, Studio-Semarang, Dr. de Vogelweg 1, Semarang.
Station-Manager: Mr. J. van Holland.
Stations:
YDH 2500 kc/s 120.00 m 0,15 kW
YDH2 3945 kc/s 76.05 m 0,60 kW
Daily Programmes in *Indonesian:*
Weekdays: 23.00-00.00, 03.00-05.00, 08.30-10.30.
News: 23.30, 04.30, 10.00 (J.), 10.15
Sundays: 23.00-00.30, 03.00-05.00, 08.30-10.30
News: 23.30, 04.30, 10.00 (J.), 10.15.
J = Javanese language.
Daily Programmes in *Dutch:*
Weekdays: 22.00-23.00, 02.00-03.00, 05.00-06.00, 10.30-15.00
News: 22.30, 11.30, 13.00 (From PCJ)
Sundays: 00.30-03.00, 05.00-06.00, 10.30-15.00
News: 11.30, 13.00 (PCJ)
PCJ = Relay from PCJ, Holland.

SOLO (Soerakarta)
Address Radio Indonesia, Studio Solo, Djalan Marconi, Solo.
Station: YDG 3332 kc/s 90,0 m 1 kW
Daily Programmes in *Indonesian* (Dutch when indicated):
Weekdays and *Sundays:* 09.30-14.15. *News* 11.00
Dutch only in Special Forces' Programme: 10.00-11.00
GAROET:
Address: Radio Indonesia, Studio Garoet.
Station: YDAG 2810 kc/s 106.8 m 0,3 kW
Weekdays: 10.00-14.00, *News* 13.00 PCJ
Sundays: 01.30-04.00, 09.30-14.00, *News* 13.00 PCJ (PCJ = Relay from PCJ Holland)
DJOGJAKARTA
Address: Radio Republik Indonesia, Kampementsweg 6, Djogjakarta.
Station: YDJ 5060 kc/s 59,3 m 1 kW
Programmes in Indonesian, Javanese and English.
Time-schedule unknown.
NEW GUINEA (Indonesian)
BIAK:
Address: Radio Biak.
Station: YDZ 4895 kc/s 61.29 m 0,5 kW
Temporary Forces-station.
MOLUCCAS
AMBON:
Address: See Makassar.
Station: YDR 3380 kc/s 88.76 m 0,25 kW
Daily Programmes from 11.00-12.00 (Indonesian) and 12.00-13.00 (Dutch) (relay Makassar Progr.).
SUMATRA
MEDAN:
Address: Radio Indonesia, Studio Medan, Serdangweg 28, Medan.
Station-Manager: Mr. G. Swaan.
Stations:

All times are indicated in G.M.T.

Indonesia Radio Batavia Studio Batavia Gamelan Bok Mas Suratmi

YDP	4930 kc/s	60.85 m	1 kW
YDP2	7210 kc/s	41.61 m	0,35 kW

Daily Programmes in Indonesian:
Weekdays: 04.00-05.00, 09.00-12.30
News 04.45, 12.05 (A.), 10.30 (C.), 11.30, 12.15 (B.)
Sundays: 04.00 06.00, 09.00-12.30
News 04.45, 10.30 (C.), 11.30, 12.05 (A.), 12.15 (B.)
(A. = Atjeh, B. = Batacs, C. = Chinese language).
Daily Programmes in Dutch:
Weekdays: 23.30-01.00, 05.00-07.00, 12.30-15.30
News: 23.30, 05.30, 06.30, 14.00
Sundays: 00.00-03.45, 05.00-07.00, 12.30-15.30
News: 00.00, 05.00, 14.00
FORT DE KOCK (Bukittinggi).
Address: Radio Indonesia, Studio Fort de Kock, Fort de Kock.
Stations:

YDM	7240 kc/s	41.44 m	0,35 kW
YDM2	2320 kc/s	129.31 m	0,04 kW

Daily programmes in Dutch:
Weekdays: 05.30-06.45, 10.30-14.30. *News:* 06.30, 14.00
Sundays: 04.15-06.45, 10.30-14.30. *News:* 06.30, 14.00
PADANG:
Address: Radio Indonesia, Studio-Padang, Sawahan 51.
Station: YDL 3270 kc/s 91.75 m 0.35 kW
Daily programmes in *Dutch* (Indonesian when indicated)
Weekdays: 05.00-07.00, 09.00-10.00, 10.00-15.00, *News* 06.30, 09.10 (Indonesian), 11.30, 14.00
Sundays: 04.30-07.00, 09.00-10.00, 10.00-15.00, *News* 06.30, 09.10 (Indonesian), 11.30, 14.00
PALEMBANG:
Address: Radio Indonesia, Studio Palembang, Talang Djawa 7, Palembang.
Station: YDK 4855 kc/s 61.79 m 0.25 kW
Daily Programmes in Dutch (Indonesian when indicated).
10.00-12.00, 12.00-12.30, 12.30-15.30. *News* 11.30, 12.00 (Indonesian), 14.00

JAPAN

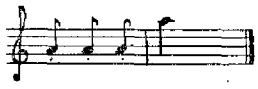
Population: 80.000.000. **Listeners:** 7.890.000.
THE BROADCASTING CORPORATION OF JAPAN, TOKIO. (NIPPON HOSO KYOKAI).
President: Tetsuro Furugaki. Managing Director: Kyosuke Yamazaki. Chief of Programme Dept.: Jiro Nanye. Chief of Technical Dept.: Shigeru Komatsu.
There is no transmission on short wave or medium wave, destined to serve foreign listeners at present.
These programmes are all in the *Japanese* language.
Stations: Relay of JOAK (Tokio)

Yamata JKH	7257 kc/s	41.30 m	5 kW
Nazaki JKI2	9655 kc/s	31.07 m	5 kW
Nazaki JKI	4910 kc/s	61.10 m	5 kW

Daily Programmes in *Japanese:*
9655 kc/s from 22.25-10.15
7257 kc/s from 10.55-14.00
4910 kc/s from 19.55-22.15, 10.25-14.00
News: 20.00, 23.00, 02.00, 05.00, 07.00, 09.00, 12.30
Japanese Classical Music: 04.30, 05.00
Stations: Relay of JOBK (Osaka).

Nazaki JKJ	7285 kc/s	41.18 m	5 kW
Kawachi JKM	4930 kc/s	60.85 m	5 kW
Kawachi JKM2	9695 kc/s	30.95 m	5 kW

Daily Programmes in *Japanese:*
9695 kc/s from 21.25-03.00, 08.25-10.00
7285 kc/s from 20.25-03.00, 08.25-14.00
4930 kc/s from 10.10-14.00
News: 21.30, 22.55, 02.30, 09.00, 12.00, 13.55
On 42.83 m and 30.95 m from 03.00-08.25 are broadcasted sports and special events only.
Announcement: Network sign of NHK (Nippon Hoso Kyokai) and call sign of JOAK (Tokyo) or JOBK (Osaka) identifies the station which originates the program. These announcements are made over all shortwave transmissions.
Interval-Signal: Musical tones or signals now used are: Time signal, three short notes followed by one second note. Three chimes showing the local drop off from national hookup. No identification signal used at present.



Message to Listeners: "We have no verification card prepared at present. We answer all questions by letter."

ARMED FORCES RADIO SERVICE
Address: Armed Forces Radio Service. Radio Station WVTR, APO. 500 c/o P. M., San Francisco, California.
Leading Personalities: Officer in Charge: Mr. N. C. Ruddel, Maj'. C. A. C.; Executive Officer: Mr. R. E. Boles, Capt. Ing.
Stations: Relay of WVTR Tokio.

Yamata JKL2	9605 kc/s	31.24 m	5 kW
Nazaki JKK	6015 kc/s	49.88 m	5 kW
Yamata JKL	4860 kc/s	61.73 m	5 kW

Daily Programmes in *English:*
9605 kc/s from 21.00 08.15 4860 kc/s from 09.55-14.30
6015 kc/s from 21.00-14.30

BRITISH COMMONWEALTH OCCUPATION FORCES RADIO —
Address: B. C. O. F. Radio WLKS Kure Japan.
Leading Personalities: Lt. K. Collie. O. C. Broadcasting.
Stations: Kuro WLKS 6100 kc/s 49.18 m 1 kW
Daily Programmes in *English* from 21.30-14.15 (Sun. 13.30).

STATIONS BROADCASTING TO REPATRIATION — CAMPS IN CHINA

Kawachi JBD	9505 kc/s	31.56 m	15 kW
Kawachi JBD2	9560 kc/s	31.38 m	5 kW
Kawachi JBD3	15225 kc/s	19.70 m	15 kW
Kawachi JBD4	15235 kc/s	19.69 m	5 kW

Daily Programmes in *Japanese:*
15225 kc/s from 22.50-10.15 9560 kc/s from 10.25-14.00
15235 kc/s from 22.50-10.15 9505 kc/s from 10.25 14.00
News: 23.00 Other Progr. relay "National Programme".

KOREA

SOUTH KOREA
Population: S. Korea 40.000.000. **Listeners:** 220.000.
Address: Korean Broadcasting System "The Voice of Korea", 1 Chung Dong, Seoul.
Leading Personalities: The American Advisory Personnel includes Chief Advisor Mr. Howell S. Teeple, Ass't advisors: Mr. Rolf Jacoby and Mr. Sam Floyd. The Korean Executives: President Mr. Lee Kwan Hi, Chief Engineer: Mr. Hahn Duk Bong; Program Director: Mr. Song Young Ho; Production Director: Mr. Lee Duk Koon; News Director: Mr. Min Chai Ho.
Stations: Seoul HLKA. 3 kW 970 kc/s. 308 m — 7935 kc/s. 37.81 m — 2510 kc/s. 119.5 m
Daily Programmes in *Korean* from 02.00-05.30, 08.00-14.30 and 21.00-23.30.

02.30	Latin American Hour	12.30	News Commentary (exc. Sat., Sun.)
03.00	News	12.45	English Lesson (Mo., Wedn., Fri.)
03.30	Korean Music	13.00	News, Music
04.15	Music, News	14.00	News Summary
05.15	Concert Hour	21.30	Lessons, Chinese or English
09.00	Korean Music (Tu., Wedn.)	22.00	News, Concert
09.55	Music, News	23.20	Light Music
10.30	Music		
11.30	The Voice of America		

Announcements in English and Korean.
"This is K.B.S., the Korean Broadcasting System" followed by the individual station announcers giving their own identification; example: "You are listening to HLKA in Seoul, Korea" given in both languages.
Interval-Signal: "3 TONED GONG"
Message to Listeners: "We are flooded by short-wave listeners' letters requesting QSL cards. Although we are strictly a long-wave network and do not attempt to attract any foreign listeners, we do answer all listener reports by letter and feel the world-wide publicity is beneficial. Foreign listeners do find our daily classical music programs very pleasing."

MALAYA

BRITISH FAR EASTERN BROADCASTING SERVICE
This Service operates under the control of BBC.
Address: British Far Eastern Broadcasting Service, Thomson Road Studios, P. O. Box 434, Singapore.
Leading Personalities: Head of Service: Mr. W. R. Baker, Editor: Mr. W. V. Pennell, Resident Engineer: Mr. E. W. Hayes, Administrative Assistant: Mr. W. J. R. Cox.
Stations: Singapore 7.5 kW

6770 kc/s	44.31 m	9690 kc/s	30.98 m
11730 kc/s	25.58 m	11880 kc/s	25.25 m
15300 kc/s	19.61 m		

Daily Programmes:
09.15-16.30 on 6770, 11880 (or 11730), 15300 kc/s
11.00 16.30 on 9690 kc/s
09.15-16.30 on 6770 kc/s for Indonesia, Pacific
11.00-16.30 on 9690 kc/s for Middle East
09.15-16.30 on 11880 (or 11730) kc/s for M. East
09.15-10.45, 15.35-16.30 on 15300 kc/s for Far East
09.15-15.30 on 15300 kc/s for Middle East

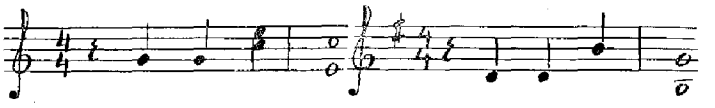
09.15	English Progr. Preview, News	14.15	English News
		14.30	Radio Newsreel
11.45	French News	15.30	Dance Music
12.00	English Half Hour	16.00	News
13.00	English News	16.10	Newsreel
13.15	Dutch News		

Some locally originated material is broadcast in English, Siamese and Indonesian. The balance of programme time is filled by relays from the B.B.C. Services in English, Siamese, Dutch, Cantonese, French, Kuoyu and Burmese.
Announcement: In *English:* "This is the British Far Eastern Broadcasting Service" Languages: Malay, Siamese, Chinese, Dutch, French and Japanese.
Interval-Signal: A chime of two bells at 7 seconds interval.
Message to Listeners:
Technical reports, which give details of how our transmissions are received, are very much appreciated and give valuable information for the improvement of our transmissions. A report of reception covering a period long enough to indicate that it is not merely freak reception or deterioration will always receive a personal reply."

RADIO MALAYA
Address: Radio-Malaya, Department of Broadcasting, Cattray Building, Singapore.
Leading Personalities: Director Mr. J. S. Dumeresque, Deputy Directors: Mr. H. W. Jackson and N. Lloyd Williams. Director of Engineering: Mr. G. S. Miller. Programme Director: Mr. P. C. Thorntow.
Stations:

Singapore:			**Kuala Lumpur:**		
4780 kc/s	62.74 m	5 kW	6025 kc/s	49.79 m	1 kW
6135 kc/s	48.90 m	5 kW			
7200 kc/s	41.66 m	7 kW			

Daily Programmes from Singapore
Blue Network.
On 7200 kc/s. *Languages:* English, Malay and Chinese.
Weekdays: 02.30-02.35, 03.25-15.30
Saturdays: 02.30-02.35, 04.30-16.00
Sundays: 01.30-15.30
Programmes in English:
03.25-04.30 (English Schools) exc. Sat. and Sun.
05.30-06.30 (News 06.00)
10.30-15.30 (News 11.30 and 14.00)
Red Network.
On 4780 kc/s, 6025 kc/s (or 6135 kc/s)
Languages: Indian, Chinese and Malay.
Daily from 03.20-06.30 and 09.30-15.03
News in Indian: 05.00 and 10.30
News in Malay: 12.45
Announcement:
When simultaneous broadcasting is being carried on: "This is the Blue/Red Network of Radio Malaya." Otherwise: "This is Radio Malaya Singapore, Kuala Lumpur, Penang or Malacca."
Interval-Signal: First phrase of Malaya Song: "Tenang Bulan", played on electric guitar.



Red Network Blut Network
Message to Listeners: Reports are answered by card or letter as required.

MACAU (Portuguese China)

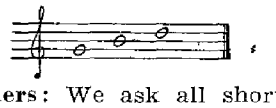
Population: 250.000. **Listeners:** 3500.
Address: Radio Clube de Macau, Colonie de Macau, Portuguese China.
Leading Personal ties: President: Commander Antonio Eduardo Lopes Marques, 1st Lieutenant of the Navy. Vice-President: Dr. Cassiano Carlos de Castro Fonseca.
Station: CR8AA. Short-wave transmitter (1 kW) in use before the end of the year on one of the following frequencies: 6250, 7530, 9254, 15040 kc/s.
Daily Programmes: From 09.00-12.00 in *Chinese.* From 12.00-15.00 in *English* and *Portuguese.*

SIAM

Address: The Overseas Broadcasting Station, Publicity Department, Bangkok, Siam.
Leading Personalities: President: Luang Ronasidth Bijei. Manager Nai Chavala Sukumalanandana. Chief Engineer: Nai Prasidth Yangpride.
Stations:

Bangkok	HS8PD	6010 kc/s	49.92 m	2,5 kW
	HS8PJ	7105 kc/s	42.22 m	2,5 kW
	HSP3	9790 kc/s	30.62 m	2.5 kW
	HSP5	11720 kc/s	25.60 m	2.5 kW

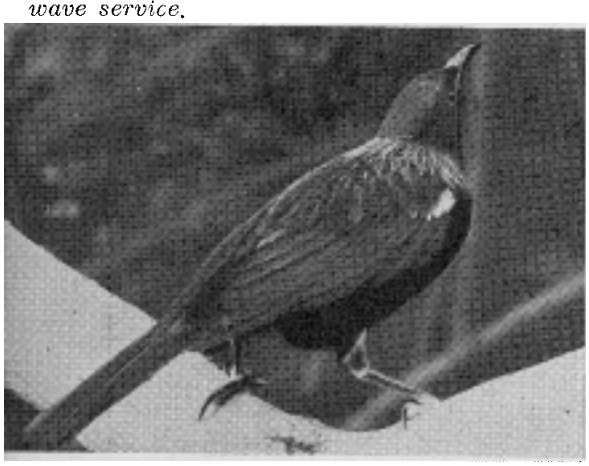
Daily Programmes in *English* from 10.00-11.30:
On 6000 kc/s and 11650 kc/s: 00.00-01.00, 09.00-11.30, 12.00-15.30
On 7105 kc/s: 00.00-01.00, 12.00-15.30
News in English at 10.15 and 11.15.
Malay session from 11.30-11.50
Announcement: "This is the Overseas Broadcasting Station of Siam".
Interval Signal: National song and three chimes:



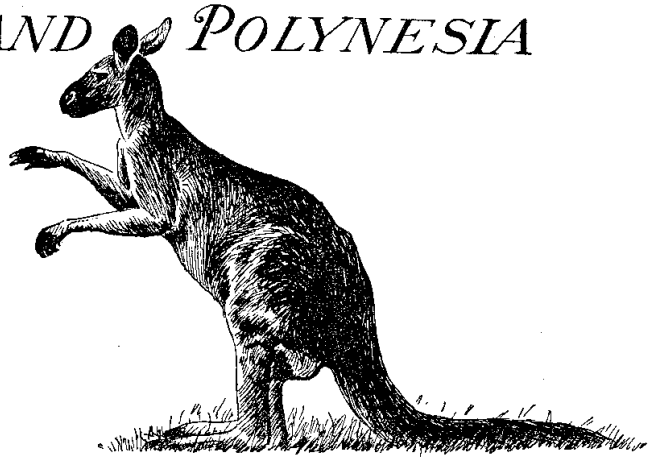
Message to Listeners: We ask all shortwave listeners to send us reports, which will always be verified either by QSL card or letter. Return postage not required.

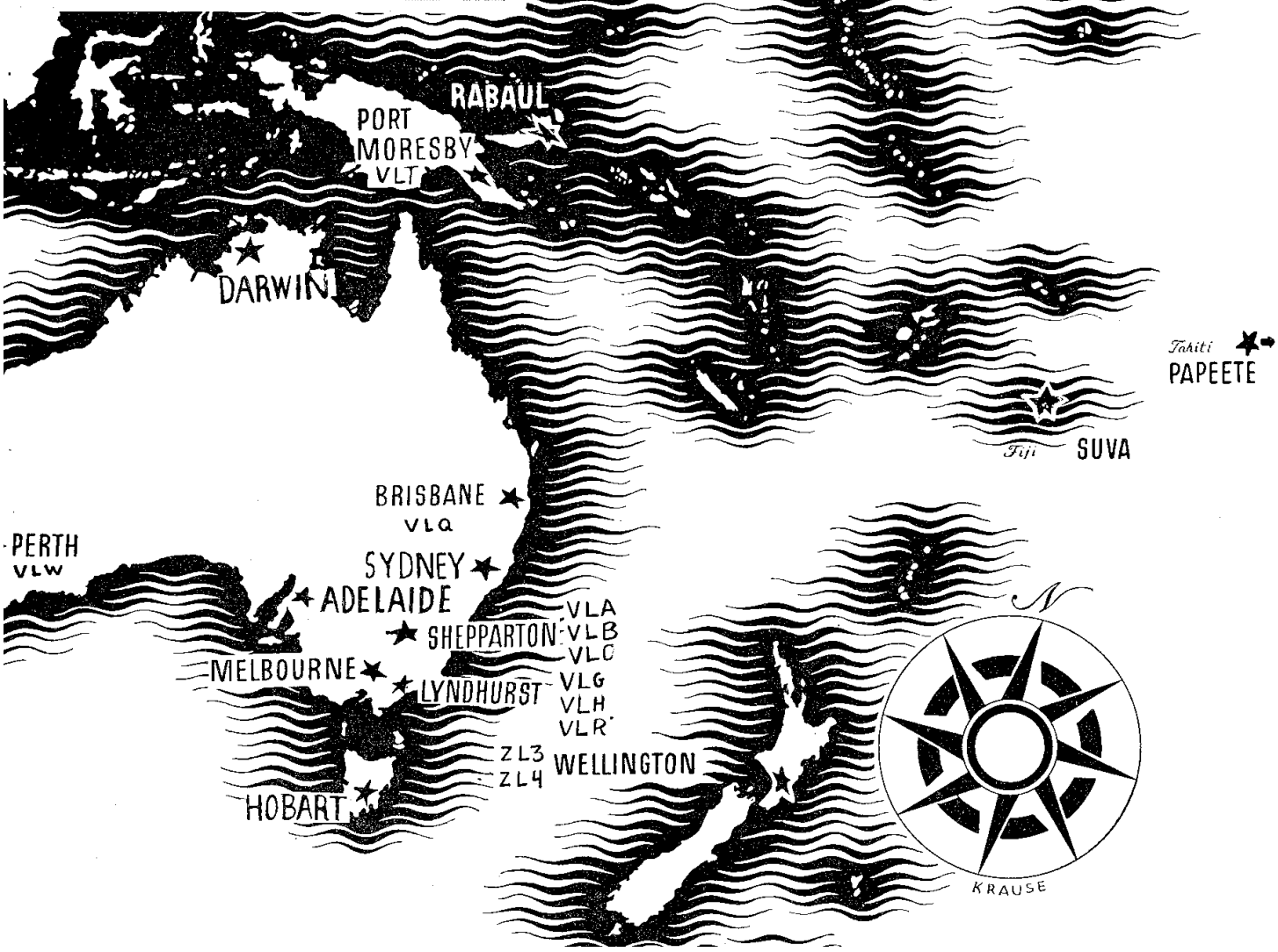
Mr. Graham D. Hutchins, Editor and Announcer of Australian DX'ers Calling. Also a representative Correspondent of the World Radio Handbook.

The Tui bird, whose voice is heard from New Zealand as interval signal in the short wave service.



AUSTRALIA AND POLYNESIA





map Australia Polynesia

PACIFIC

AUSTRALIA

Population: 8.000.000. **Listeners:** 1.800.000.

A. B. C. AUSTRALIAN BROADCASTING COMMISSION
The Australian Broadcasting Commission controls a number of internal shortwave transmitters, that are directed to listeners in distant inland areas of Australia. Either relay of the National (Home) Programme called ABC Programme or transmission of a special Interstate Programme.
Radiopublications: A. B. C. Weekly.
Address: Australian Broadcasting Commission, Head Office, 264 Pitt Street, Sydney.
Correspondence should be addressed to the A.B.C., at the Capital city, in which stations are situated.
Leading Personalities: Chairman: Mr. R. J. F. Boyer. Vice-Chairman: Mr. E. R. Dawes. General Manager: Mr. C. G. A. Moses. Assistant General Manager: Mr. A. N. Finlay. Controller of Programmes: Dr. K. L. Barry. Controller of Administration: Mr. A. L. Holman.
Stations: Melbourne VLR 5 kW (ABC Nat. Progr.)
VLR 9540 kc/s 31.45 m: 22.30-08.30
VLR2 6150 kc/s 48.78 m: 20.00-21.15, 08.45-13.00
Melbourne VLH 10 kW (ABC Interstate Progr.).
VLH3 9580 kc/s 31.32 m: 08.30-13.30
VLH4 11880 kc/s 25.25 m: 20.00-23.15
VLH5 15230 kc/s 19.69 m: 23.30-08.30
Lyndhurst VLG, 10 kW
VLG6 15230 kc/s 19.70 m
Perth VLW 2 kW (ABC Interstate and Nat. Pr.)
VLW3 11830 kc/s 25.36 m: 02.30-10.00
VLW5 9610 kc/s 31.22 m: 22.00 02.15, 10.15-16.00
Perth VLX, 10 kW (Interstate and National Programme)
VLX2 6130 kc/s 48.94 m: 23.45-04.15, 10.15-15.15
VLX3 9610 kc/s 31.21 m: 02.30-10.00
Sydney (Liverpool) VLI, 2 kW (Interstate and National Programme)
VLI2 6090 kc/s 49.26 m: 20.00-22.45, 08.30-13.30
VLI3 9500 kc/s 31.58 m: 23.00-08.15
Brisbane VLQ3 VLM 10 kW (ABC Interstate, Nat. Pr.)
VLM 4917.5 kc/s 61.01 m
VLQ3 9660 kc/s 31.06 m: 20.00-13.30 (Sat. 14.00)
Announcement: "This is the Australian National Programme". "This is the Victorian, New South Wales or Queensland Interstate Programme."
Interval-Signal: Chimes.
Message to Listeners: "The Australian Broadcasting Commission greets its listeners and invites reception reports from them".

RADIO AUSTRALIA
Radio Australia is operated by the Shortwave Division of the Commonwealth Department of Information.
Address: "Radio Australia", Box 780 H, G. P. O., 475 Collins Street, Melbourne C. 1.
Leading Personalities: Director General: Mr. E. G. Bonney — Director: Mr. T. P. Hoey. Programme Manager: Mr. Robin Wood. — Editor: Mr. Hugh Buggy. — Chief Engineer: Mr. R. V. Mc-Kay. — Superintending Engineer: Mr. N. V. Hayes.
Stations:
Shepparton 100 kW; VLA, VLB
Shepparton 50 kW; VLC 9580 kc/s 31.32 m VLA11
Lyndhurst 10 kW; VLG 9580 kc/s 31.32 m VLG8

7240 kc/s	41.44 m	VLC8	9580 kc/s	31.32 m	VLB9
7280 kc/s	41.21 m	VLA	9615 kc/s	31.20 m	VLA2
7280 kc/s	41.21 m	VLC8	9615 kc/s	31.20 m	VLB9
9540 kc/s	31.45 m	VLB	9615 kc/s	31.20 m	VLC6
9540 kc/s	31.45 m	VLC5	9650 kc/s	31.09 m	VLB2
9540 kc/s	31.45 m	VLG2	9680 kc/s	30.99 m	VLA3
9680 kc/s	30.99 m	VLB2	15200 kc/s	19.74 m	VLB6
9680 kc/s	30.99 m	VLC2	15200 kc/s	19.74 m	VLA6
9680 kc/s	30.99 m	VLG8	15200 kc/s	19.74 m	VLC
11710 kc/s	25.62 m	VLG3	15200 kc/s	19.74 m	VLG11
11740 kc/s	25.55 m	VLB10	15210 kc/s	19.72 m	VLC11
11760 kc/s	25.51 m	VLB3	15210 kc/s	19.72 m	VLG11
11760 kc/s	25.51 m	VLA8	15220 kc/s	19.71 m	VLA6
11760 kc/s	25.51 m	VLC3	15220 kc/s	19.71 m	VLC11
11760 kc/s	25.51 m	VLG10	15230 kc/s	19.70 m	VLG6
11770 kc/s	25.49 m	VLA4	15230 kc/s	19.70 m	VLA5
11770 kc/s	25.49 m	VLB3	15240 kc/s	19.69 m	VLG6
11810 kc/s	25.40 m	VLB4	15320 kc/s	19.59 m	VLG6
11810 kc/s	25.40 m	VLC7	15320 kc/s	19.59 m	VLA5
11840 kc/s	25.35 m	VLC7	15320 kc/s	19.59 m	VLB11
11840 kc/s	25.35 m	VLG4	15320 kc/s	19.59 m	VLC4
11850 kc/s	25.32 m	VLA4	17800 kc/s	16.85 m	VLA7
11880 kc/s	25.25 m	VLA8	17800 kc/s	16.85 m	VLB7
11870 kc/s	25.27 m	VLC3	17840 kc/s	16.82 m	VLA10
11880 kc/s	25.25 m	VLG5	17840 kc/s	16.82 m	VLC9
11900 kc/s	25.21 m	VLG9	21540 kc/s	13.93 m	VLB5
11900 kc/s	25.21 m	VLA8	21600 kc/s	13.89 m	VLA9
15160 kc/s	19.79 m	VLG7	21600 kc/s	13.89 m	VLB8
15160 kc/s	19.79 m	VLB11	21680 kc/s	13.84 m	VLC10

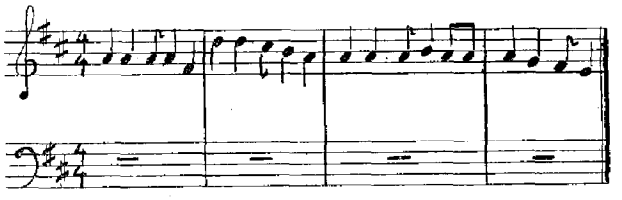
DAILY PROGRAMMES
In English (* Not on Saturdays)

02.58-04.15	21540	Japan	News 03.00, 04.00
(02.00-04.15	15320	N. Pacific	News 03.00, 04.00
Sat. & Sun.	17840	S. Asia	News 03.00, 04.00
only)	15200	Japan, S. Asia	
	Sat. Sun.		News 03.00, 04.00
03.12-07.30	21540	Sports	
(Sat. only)	15320		
04.30-05.45	17840	N. America	News 05.15
	15320*	N. America	News 05.15
	11760	N. America	News 05.15
	21540*	Africa	News 05.15
07.00-07.45	17840	British Isles	News 07.30
07.00-08.15	15200	British Isles, New Zealand	News 07.30
	11850	British Isles, New Zealand	News 07.30
08.30-13.55	15200	Japan, N. Asia	News 09.00, 11.00, 13.00
08.30-14.00	11850	Asia	
08.30-10.30	11760	S. E. Asia, N. Pacific	News 09.00, 13.00
08.55-11.30	11760	New Zealand	News 09.00, 11.00, 13.00
08.55-14.00	15320	S. Asia	News 09.00, 11.00, 13.00
12.00-14.00	11810	N. America	News 14.30
14.00-14.45	11850	British Isles, S. Asia	News 14.30
14.00-15.00	15200	British Isles, S. Asia	News 14.30
14.00-15.00	11810	N. America	News 14.30
15.00-15.45	9615	N. America, West Coast.	News 15.30
15.00-16.15	11810	N. America, West Coast.	News 15.30
15.15-16.15	9540	Africa	News 15.30
15.15-16.15	11760	S. Asia	News 15.30
20.00 21.30	9650	British Isles	News 20.30
20.00-21.30	11850	British Isles	News 20.30
20.00-21.55	15220	British Isles	News 20.30, 21.45
21.43-23.15	15160	Japan, N. Asia	News 21.45, 22.45
21.43-23.00	11850	N. America	News 21.45, 22.45
22.00-23.15	15230	British Isles, Europe	News 22.45
22.10-23.15	17840	S. America	News 22.45
In French			
06.00-06.45	11850	Europe	News 06.00
	15240*	Tahiti	News 06.00
	15200 (Sat.)	Tahiti	News 06.00

07.45-08.45 11710 New Caledonia News 08.00
08.00-08.45 15320 New Caledonia News 08.00
In Thai
06.30-06.50 15200 Thailand
(Wedn. only) News 06.32
In Indonesian
10.30-11.00 11760 Indonesia News 10.30
In Dutch
11.00-11.30 11760 Indonesia News 11.00
In German
16.00-17.15 9580 Europe; 16.15-17.15 11850 Europe; 16.30-17.15 11850 Europe.
"Australian DX-ers Calling" — Sundays
05.25-05.40 17840 N. America, West Coast.
15320 N. America, West Coast.
11760 N. America, West Coast.
21540 Africa
14.02-14.15 15320 Br. Isles, Europe & S. Asia
15200 Br. Isles, Europe & S. Asia
11850 Br. Isles, Europe & S. Asia
11810 N. America

Announcement: "This is Radio Australia calling". "You are tuned to the Overseas Service from Australia". "This is Radio Australia transmitting in the Overseas Service".

Identification: Musical box rendition of "Waltzing Matilda" is played for five minutes preceding transmissions. Transmissions commence with Clock Chimes and the laugh of the Kookaburra, commonly known in Australia as the "Laughing Jackass". Gongs are used as programme cues only. "Waltzing Matilda" in march tempo precedes and concludes all News Bulletins. *Indonesian transmissions* open with "Waltzing Matilda" played on piano-accordeon with instrumental ensemble.



Dutch transmissions open and close with "The Bride, Elect March".
German transmissions open with "Waltzing Matilda" Tuning Signal clock chimes and laugh of the Kookaburra and close with the National Anthem.
Dx-programmes open and close with "The March of the Herald".

Message to Listeners: "Radio Australia welcomes letters from overseas listeners, likes to know the programme that interests you, also any suggestions or comments you may care to make."

BRITISH NEW GUINEA

Address: Australian Broadcasting Commission 9PA/VLT, Port Moresby, Papua.
Stations: Port Moresby, 2 kW
VLT5 7280 kc/s 41.21 m: 20.45-22.45 08.15-12.15
VLT7 9630 kc/s 31.15 m: 02.00-04.00 06.00-08.00
Daily Programmes:
20.45 (Sat. 21.15)-24.00 (Sun. 01.00) on 7280 kc/s
02.00-04.00 on 9520 kc/s
05.30 (Sun. 06.00)-08.00 on 9520 kc/s.
08.15-12.30 (Sun. 12.00) on 7280 kc/s

HAWAII

Address: Armed Forces Service, A. P. O. 500, San Francisco, California.
Stations: *Honolulu, KRHO and KRHK 100 kW.*
KRHK 15250 kc/s 19.67 m and KRHO 9650 kc/s 31.09 m from 09.00-14.00.
KRHO 17800 kc/s 16.85 m from 07.30-08.45, 22.30-22.45.
Other frequencies are 11790 kc/s and 15130 kc/s.
Daily Programmes: Relay of United Nations and U.S.A. Programmes to the Orient (see U. S. A.)
07.30-08.45 United Nations Programmes to the Pacific.
09.00-14.00 U. S. A. Progr. to the Orient.
Message to Listeners: Reports answered by QSL cards.

NEW CALEDONIA

Address: Radio Noumea "La Voix de la France dans le Pacifique" Service de l'Information, Noumea.
Stations: Radio Noumea.
6000 kc/s 50.00 m 0.3 kW
3410 kc/s 87.98 m 0,3 kW
Daily Programmes in French from 00.00-01.30 and 07.30-10.00.
Announcement: "Noumea, La Voix de la France dans le Pacifique".

NEW ZEALAND

Address: New Zealand Broadcasting Service, 38 The Terrace, P. O. Box 3045, Wellington C. 1.
Leading Personalities: Director: Mr. William Yates. Chief Engineer: Mr. W. L. Harrison.
Stations. Shortwave Wellington, 10 kW.

ZL2	9540 kc/s	31.45 m	ZL3	11780 kc/s	25.47 m
ZL2	9780 kc/s	30.67 m	ZL4	15280 kc/s	19.63 m
			ZL7	6080 kc/s	49.34 m

Daily Programmes:
From 18.00-11.20 on any two of the three frequencies at the one time.
07.00-09.30 Calling Australia and the Islands.
New Zealand News: Daily exc. Sun. 08.30.
New Zealand Artists: Tuesd. 07.15, Sat. 08.40, Sun. 08.45.
Song and Story of the Maori: Sun. 07.40-07.55.
Mail Box: Thursday 07.30-07.45.
Announcement: "This is Radio New Zealand, the Shortwave Division of the New Zealand Broadcasting Service". Each half hour, when relaying the home service.
Identification Signal: The transmission "Calling Australia and the Islands" 07.00-09.30 is preceded by 2 minutes of the call of the Tui, a New Zealand Bird. New Zealand's National Song "God Defend New Zealand" is played at 07.00 and transmission closes with Maori Song of Farewell "Now is the hour" ("PO ATA RAU").
Message to Listeners: Reports are answered by QSL cards.

PHILIPPINE ISLANDS

Stations:

Manila DZH4	6000 kc/s	50.00 m	1,0 kW
Manila DZH6	6030 kc/s	49.75 m	1 kW
Manila DUH2	6170 kc/s	48.62 m	0,3 kW
Manila DZH3	9500 kc/s	31.58 m	0,25 kW
Manila*	9530 kc/s	31.48 m	50 kW
Manila DUH4	9615 kc/s	31.20 m	0,3 kW
Manila DZH2	9640 kc/s	31.12 m	1,0 kW
Manila DZH5	9690 kc/s	30.96 m	0,25 kW
Manila DZH7	9730 kc/s	30.83 m	3 kW
Manila DUH5	11840 kc/s	25.34 m	0,3 kW
Manila DZH8	11855 kc/s	25.31 m	3 kW
Manila*	11890 kc/s	25.23 m	50 kW
Manila*	15250 kc/s	19.67 m	50 kW
Manila*	15330 kc/s	19.57 m	50 kW
Manila*	17760 kc/s	16.89 m	75 kW
Cebu DYH3	6100 kc/s	49.18 m	0,25 kW
Cebu DYH2	6140 kc/s	48.86 m	0,5 kW

* The Voice of America.

MANILA BROADCASTING COMPANY
Address: 7th Floor, Insular Life Building, Manila.

The Voice of Cebu: Colon Street, Cebu City.
Leading Personalities: President: Mr. Bertrand H. Silen, Vice-President: Mr. William J. Dunn, General Manager: Mr. Wesley H. Wallace, Engineering Director: Mr. James Laschiver.
Stations:

DZH2	The Voice of the Philippines	9640 kc/s
DZH4	The Voice of Manila	6000 kc/s
DYH2	The Voice of Cebu	6140 kc/s

Daily Programmes from 21.00-16.00.
On 9640 kc/s in English from 21.00-16.00: 21.30 Music, 22.45 News, 23.35 Music, 00.00 News, 00.05-04.15 Music and Entertainment, 05.00 News, 05.20-06.00 Music and Entertainment, 08.55 News, 09.00-14.00 Music and Entertainment, 14.00 News, 14.15-16.00 Music and Entertainment.
On 6000 kc/s in English from 21.00-16.00: 21.00-21.30 Music, 22.00-22.05 News, 23.00 News, 23.15-04.00 Music and Entertainment, 04.00 News, 04.15-08.00 Music, 05.00-05.30 Rotary Club (Thursday), 10.30-15.55 Music, 15.55 News.
On 6140 kc/s in English from 09.00-16.00: News 11.00 and 12.30.
Announcement: "Manila Broadcasting Company" followed by three chimes c, a and f, then "This is DZH2, the Voice of the "Philippines". DYH2: "This is DYH2, the Voice of Cebu". DZH4: "This is the Voice of Manila", followed by the recorded voice of the ghekko lizard, and "Manila Broadcasting Company".
Interval-Signal: MBC's 3 notes musical chimes at conclusion of each programme. On the hour of the hour automatic half second musical time tone.

PHILIPPINE BROADCASTING CORPORATION
Addresses: DZP1: 4th Floor, Ramon Roces Building, Manila. DYBU: Gotiaoco Building, Calle Comercio, Cebu City. DZAB: Town House, Dewey Boulevard, Manila.
Leading Personalities: Antonio Prieto, manager and president of the Philippine Broadcasting Corporation. Noel Araneta, assistant general manager of the Philippine Broadcasting Corporation.
Stations:
DZP1/DZH3 9500 kc/s DZAB/DZH5 9690 kc/s
DYBU/DYH3 6100 kc/s.
Daily Programmes:
On 9500 kc/s from 21.30-16.05.
On 9690 kc/s from 21.00-17.05.
On 6100 kc/s from 21.00-16.00: News at 16.00.
Announcement: "Radio Philippines" for DZP1/DZH3, "The Station of the Stars" for DZAB/DZH5 and "Cebu calling" for DYBU/DYH3.
Message to Listeners: Reports are answered by QSL cards.

THE FAR EAST BROADCASTING CO.
Radiopublication: Far East Broadcaster DZAS, Box 2041, Manila.
Address: The Far East Broadcasting Co., Box 2041, Manila.
Leading Personalities: President: Mr. John C. Broger, Vice-President: Mr. Robert Bonman, Secretary General: Mr. Wm. J. Roberts. Chief Engineers: Mr. Richard Handlos and Ben Bengco.
Stations:
DZH6 6030 kc/s — DZH7 9730 kc/s — DZH8 11855 kc/s and DZH9 in the 19 metre band.
DZH8 and DZH9 will be on in the course of December/January.
Daily Programmes in English, Philippine Dialects and Chinese Dialects on all frequencies: *Weekdays* from 10.00-14.00. *Sundays* from 01.00-04.00.
Announcement: "You are tuned to DZA5 680 kc/s long wave, DZH6 on 6030 kc/s in the 49 m. b. short wave, DZH7 on 9730 kc/s . . . This is the Call of the Orient, Manila, Philippines".
Message to Listeners: Listeners' reports are answered by QSL card.

THE PEOPLE'S STATION
Address: The Government Broadcasting Station, Fourth Floor, City Hall, Manila.
Leading Personalities: Managing Director: Mr. Francisco Trinidad.
Program Director: Mr. Eduardo Avelino — Production Manager: Mr. Gabino Tabunar, Jr. — Traffic Chief: Mr. Raymond Forbes — Chief, Continuity and Newswriting: Mr. Ernesto Madrid — Tagalog Newcaster and Translator: Mr. Vicente San Pedro — Chief Music Librarian: Mr. Augustin El. O'Mora — Chief, Transmitting Station: Mr. Jose Dy — Asst. Chief, Transmitting Station: Mr. Patrocinio Catuncan, Jr. - Chief Studio Engineer: Mr. Luis Quintos.
Stations: 11840 kc/s — 9615 kc/s — 6170 kc/s
Daily Programmes: From 21.00-16.00.
In English, when no language named.
All programs are broadcast simultaneously on all four frequencies.

21.00	Dawn Patrol	07.45	Music
21.30	Music	08.00	U. N. Broadcast (from New York) Tuesday to Friday
23.00	News. (exc. Sun.)		
23.15	Music. (Sun. 23.00)		
00.00	Morning Classics	09.00	Sunset Serenade
00.30	Greetings on Request	12.45	News
04.00	News	14.00	News
04.15	Serenata Tropical	14.15	Intermezzo
05.30	Turntable Topics	14.30	Memo from Lake Success. (Sun.)
07.30	U. N. Broadcast (from New York) Tuesd. to Fri. — English and Tagalog	14.45	Music in the night
		15.00	Dance Music

Highlights of Programmes: News and UN Programme and "Radio Newsreel" a dramatization of important news presented every Sunday at 13.00.
Announcement: "This is the People's Station. You are tuned to DZFM, broadcasting from Manila on 710 kc/s longwave and on three S. W. frequencies as DUH2, DUH4, and DUH5."
Announcement: "KZFM, the People's Station".

THE VOICE OF AMERICA IN MANILA
Address: The Foreign Service of the United States of America, International Broadcasting Division, American Embassy, Manila.
Leading Personalities: Chief Engineer: Mr. George H. Chapman.
Stations:

11890 kc/s	25.23 m	from 22.00-24.00, 09.00-14.45
15250 kc/s	19.67 m	from 22.00-24.00
15330 kc/s	19.57 m	from 03.15-03.45, 07.15-08.45 (Tuesd. to Sat.), 09.00-14.45
17760 kc/s	16.89 m	from 03.15-03.45, 09.00-14.45
9530 kc/s	31.48 m	from 22.30-23.45
920 kc/s	325 m	from 11.00-14.45

Daily Programmes: see U. S. A. (ORIENT)
07.30-08.45 Relay of the United Nations Programme
09.00-11.00 and 13.00-14.15 Relay of the Voice of America Programme to the Orient.
Announcement: "This is Manila, relaying the Voice of America".

TAHITI

Address: Radio Club Oceania, Papeete.
Stations: Radio Club Oceania.

FO8AA	6980 kc/s	42.98 m	0,1 kW
	12100 kc/s	24.78 m	0,6 kW

Daily Programmes from 04.00-05.00 daily. Music, News in French, Native Progr. —

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GATES – Broadcasting transmitters and studio equipment for AM-FM-TV-broadcast. Frequency and modulation monitors. Station and studio supplies, accessories and fittings.

STAINLESS – Vertical radiators and towers for AM-FM-TV-broadcast. Welded tubular, sectional. Withstand high wind velocity, corrosion resistant. Ease and low cost of erection.

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AMPEREX – Radio transmitting tubes. Long life, high efficiencies. No matter what your problem, you will find an Amperex tube to fill your needs and fill them well.

UTC – Complete line of transformers for broadcasting, Public Address, amateur transmitting, laboratory. Highest quality, uniform frequency response, low wave form distortion, high efficiency, thorough shielding, dependability.

WEBSTER ELECTRIC – EKOTAPE, high-fidelity, magnetic tape recorder-reproducer for studio and remote pick-up use. Controlled by one knob, permitting instantaneous starts and stops of tape and accurate cueing or selection of desired sections.

RADIO-MUSIC – Para-Flux, Vertical, Lateral and Microgroove reproducers, unexcelled wherever the most realistic reproduction of transcription is necessary. Turntable chassis. Both widely used by broadcasting stations, AM and FM.

AUDIO DEVICES – „Audiodiscs" - World-wide known professional recording discs, with all the features essential to high fidelity recording. „Audiotape" - for magnetic tape recording.

CONSULT OUR ENGINEERS REGARDING YOUR PROBLEMS

Broadcasting stations, engineers, are invited to write for complete information. Catalogs and technical data, prices, etc., will be sent immediately.

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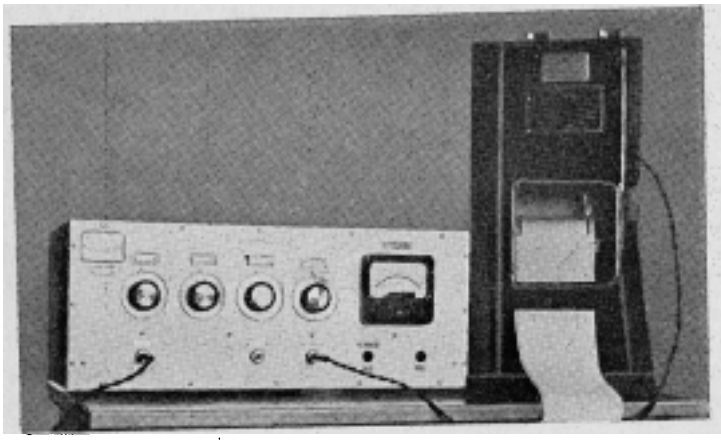
CABLES „ARLAB" N. Y.

Export Department for the manufactures listed above

advertisement Rocke International

ELTRA



The

PROGRAMMETER

The new Danish instrument which measures and registers programme appeal. The programmeter is a purely electronic instrument and it works without applying directly to the listeners.

Constructed and manufactured only by

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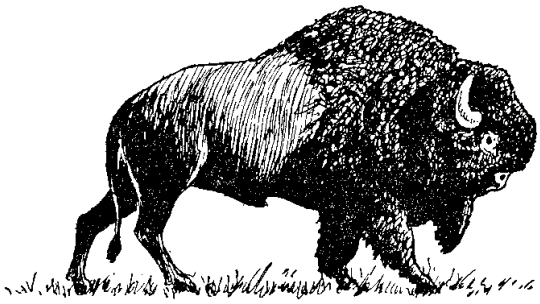
CANADA AND THE UNITED STATES OF AMERICA



EDMONTON
CALGARY
WINNIPEG
VANCOUVER
QUEBEC
MONTREAL
SACKVILLE
SYDNEY
ST. JOHNS
IVERCHERES
SCHENECTADY
BOSTON
HALIFAX
BELMONT
SAN FRANCISCO
CINCINNATI
WAYNE
VERA CRUZ
BELICE
TEGUCIGALPA
MANAGUA

Editor Henning Sørensen (extreme left) controls the Danish broadcast from Montreal. At the microphone Mr. Ole Clausen, Miss Inger Bentzen and Miss Lis Fabricius Hansen.

"Radio Forum", a weekly broadcast of the "Voice of America", informally discusses recent happenings on the American scene or in international affairs. Under the able direction of Ben Wilbur, Chairman of the program (extreme right), Anne O'Hare McCormick, editorial columnist for the New York Times discusses results of ECA (Economic Cooperation Administration) on the occasion of its first anniversary. Mr. Ben Wilbur is representative in U. S. A. for the World Randio Handbook.

map Canada USA Henning Soerensen Ole Clausen Inger Bentzen Lis Fabricius Hansen

CANADA

Population: 12.000.000 — **Listeners:** c. 2.000.000

CANADIAN BROADCASTING CORPORATION

CBC INTERNATIONAL SERVICE

Address: Canadian Broadcasting Corporation, International Service, P. O. Box 7.000, Montreal, Canada.

Leading Personalities: General Supervisor: Mr. Ira Dilworth. Asst. General Supervisor: Mr. C. R. Delafield. Supervisor European Section: Mr. G. W. Griffiths. Supervisor United Kingdom Section: Mr. J. S. Peach. Supervisor French Section: Mr. G. Arthur. Supervisor Latin America Section: Senior Engineer Mr. Roy D. Cahoon

Stations:

All international shortwave broadcasts from Canada are directed by the CBC International Service, which is owned by the people of Canada. All programs are produced in Montreal and beamed from 50-kilowatt transmitters at Sackville, New Brunswick, near the Atlantic Coast. The CBC International Service was inaugurated Feb. 25, 1945. *See page 6.*

CKRZ	6060 kc/s	49.50 m*
CKOB	6090 kc/s	49.26 m*
CHAC	6160 kc/s	48.70 m
CHLS	9610 kc/s	31.22 m
CKLO	9630 kc/s	31.15 m
CKXA	11705 kc/s	25.63 m
CHOL	11720 kc/s	25.60 m
CKRA	11760 kc/s	25.51 m
CKEX	11900 kc/s	25.21 m
CKLX	15090 kc/s	19.88 m
CKCX	15190 kc/s	19.75 m
CKCS	15320 kc/s	19.58 m
CKNC	17820 kc/s	16.84 m
CKRP	21600 kc/s	13.89 m
CHLA	21710 kc/s	13.82 m

* Only in use in the winter period.

The Sackville frequencies listed above are those assigned to Canada by international agreement.

Daily Programmes:

Any change of frequencies will be advertised in the daily broadcasts.

TO EUROPE. *On 15190 kc/s and 17820 kc/s.*

14.45-15.00 Opening Announcements (Exc. Sun.)
15.00-15.30 Commentaries from the U.N. (Exc. Sun.)
15.30-16.00 Programme for Europe. (Exc. Sun.)
15.35-16.00 Opening Announcements. (Sun. only)
16.00-16.30 Czech (exc. Sun.)

On 15320 kc/s and 17820 kc/s.

16.30-16.45 Dutch. (Exc. Sun. and Wedn.)
16.30-16.45 German to Austria (Sun. and Wedn. only)
16.45-17.00 English (Sun. only)
16.45-17.00 Dutch (Exc. Sun.)
17.00-17.30 English
17.30-17.45 Czech
17.45-18.15 French
18.15-18.45 Dutch
18.45-19.00 English
19.00-19.20 Swedish
19.20-19.40 Norwegian
19.40-20.00 Danish

On 11720 kc/s and 15320 kc/s

20.00-20.30 Czech

On 9630 kc/s and 11720 kc/s.

20.30-21.00 German
21.00-21.30 Italian
21.30-22.00 French
22.00-23.00 English
23.00-23.15 Czech

On 6060 kc/s and 9630 kc/s

23.15-23.30 Czech. (Saturd. and Sun. only)
23.15-23.30 German. (Exc. Sat. and Sun.)
23.30-23.40 English. (Sat. and Sun. only)
23.30-23.40 French. (Exc. Sat. and Sun.)
23.40-23.50 English

TO SOUTH AFRICA. *On 17820 kc/s and 21600 kc/s.*

13.50-14.20 Commentaries from the U. N. (Exc. Sun. and Mo.)

TO AUSTRALIA AND NEW ZEALAND. *On 11720 kc/s and 15090 kc/s.*

04.20-05.00 Commentaries from the U.N. (Exc. Sun. and Mon.)

On 9630 kc/s and 11720 kc/s.

08.40-10.30 English programme for listeners in the Southwest. Pacific area. (Sun. only)

TO LATIN AMERICA AND THE CARIBBEAN.

On 11760 kc/s and 15190 kc/s.

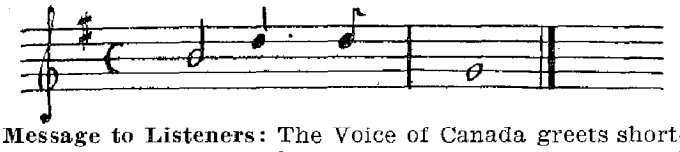
00.10-00.55 Portuguese
00.55-02.00 Spanish
02.00-02.15 French
02.15-03.00 English
02.45-03.00 Dutch (Sat. only)
03.00-03.35 Spanish

TO THE NORTHWEST AND ARCTIC SETTLEMENTS TERRITORIES. From the end of November to May

On 6090 kc/s and 9630 kc/s

04.10-05.00 Northern Messenger. English.

Interval-Signal: First four notes of the National Anthem "O Canada":



Message to Listeners: The Voice of Canada greets shortwave listeners everywhere, and welcomes queries and comments of all kinds. Please write to Box 7,000, Montreal.

HOME SERVICE

Address: Canadian Broadcasting Corporation, 1231 St. Catherine Street West, Montreal, Quebec (Eastern Zone). Canadian Broadcasting Corporation Vancouver British Columbia (Pacific Zone).

Leading Personalities: Chairman of the Board of Governors: Mr. A. D. Dunton. General Manager: Dr. Augustin Frigon. Director General of Programme: Mr. E. L. Bushnell. Press and Information: Mr. Jean-Saint-George and Mr. M. Papineau.

Stations:

Home Service — Stations Vercheres, Quebec

CBFW	6090 kc/s	49.26 m	0,2 kW (7,5 kW)
CBFR	9520 kc/s	31.51 m	7,5 kW
CBFX	9610 kc/s	31.22 m	7,5 kW
CBFO	9630 kc/s	31.15 m	7,5 kW
CBFY	11705 kc/s	25.63 m	7,5 kW
CBFL	11720 kc/s	25.60 m	7,5 kW
CBFA	11760 kc/s	25.51 m	7,5 kW
CBLX	15090 kc/s	19.88 m	7,5 kW
CBFZ	15190 kc/s	19.75 m	7,5 kW

Daily Programmes: 12.00-05.00 French 6090 kc/s; 12.00-00.45 English 15090 kc/s; 01.00-05.00 French 9630 kc/s.

Message to Listeners: Reports verified by QSL card.

Home Service — Station Vancouver, B. C.

CBRX 6160 kc/s 48.70 m 0,15 kW

Daily Programmes for Vancouver from 15.00-07.00.

Home Service — New Foundland

This British territory is confederated with Canada. —

Address: The Canadian Broadcasting Corporation New Foundland Division, P. O. Box E 5372. St. Johns.

Stations: St. Johns 0,3 kW

CBNX 5970 kc/s 50.25 m Relay CBN

Daily programmes from 11.00-03.30.

Announcement: "This is the Transcanada Network of the Canadian Broadcasting Corporation at St. Johns".

PRIVATE STATIONS

Stations:		kc/s	m	kW	
Edmonton	VE9AJ	6005	49.96	0,25	Mountain Zone
Montreal	CFCX	6005	49.96	0,08	Eastern Zone
Sydney	CJCX	6010	49.92	1,00	Atlantic Zone

Calgary	CFVP	6030	49.75	0,10	Mountain Zone
Toronto	CFRX	6070	49.42	1,00	Eastern Zone
Vancouver	CKFX	6080	49.34	0,10	Pacific Zone
Halifax	CHNX	6130	48.94	0,50	Atlantic Zone
Winnepeg	CKRO	6150	48.78	2,00	Central Zone
Edmonton	VE9AJ	9540	31.45	0,25	Mountain Zone
Winnepeg	CKRX	11720	25.60	2,00	Central Zone

CFCX — CANADIAN MARCONI COMPANY
Address: 1231 St. Catherine Street West, Montreal.
Daily Programmes from 12.30-05.00. Sun 13.00-05.00.
Message to Listeners: Reports verified by QSL cards.

CJCX — EASTERN BROADCASTERS LTD.
Address: Radio Building, 318 Chalotte Street, Sydney.
Daily Programmes from 10.30 (Sun. 12.00)-03.00.
Message to Listeners: Reports are verified by QSL cards, I. R. C. required.

CFVP — THE VOICE OF THE PRAIRIES LTD.
Address: Toronto General Trust Building, Calgary.
Daily Programmes from 13.30-07.00.
Message to Listeners: We are happy to verify by QSL card.

CFRX — ROGER's RADIO BROADCASTING CO., LTD.
Address: 37 Bloor Street W., Toronto 5, Ontario.
Daily Programmes from 11.30-05.35.
Message to Listeners: Reports are verified by QSL cards.

CKFX — WESTERN BROADCASTING CO., LTD.
Address: 543 Seymor Street, Vancouver, B. C.
Daily Programmes from 14.30-08.00.
Message to Listeners: Reports are verified by letter.

CHNX — THE VOICE OF HALIFAX
Address: The Maritime Broadcasting Co., Ltd., Broadcasting House, 10 Tobin Street, P. O. Box 400, Halifax.
Daily Programmes from 11.00 (Sun. 13.00)-04.15. Mailbag every Saturday at 23.30.
Message to Listeners: Reports are verified. An I. R. C. should be enclosed.

CKRO/CKRX — TRANSCANADA COMMUNICATIONS
Address: Free Press Building, 300 Carlton Street, Winnepeg, Manitoba.
Daily Programmes from 13.00-08.00 on both frequencies.

VE9AJ — THE VOICE OF THE GREAT NORTHWEST
Address: Edmonton Broadcasting Co., Ltd., Birks Building, 104th Street, Edmonton, Alberta.
Daily Programmes irregularly for experiments. Often 12.00-06.00 on 9540 kc/s.
Message to Listeners: Reports are verified.

UNITED STATES OF AMERICA

THE "VOICE OF AMERICA"
is operated by the International Broadcasting Division of the Department of State to promote the better understanding of the United States among the peoples of the world and strengthen cooperative international relations.

Government-owned and controlled short wave relay broadcast operations are located in Honolulu and Munich, and short wave and medium wave stations at Manila. Short wave and medium wave relay facilities are also leased from BBC in England.

Other relays are in effect through arrangement with domestic broadcasters of other countries, such as France, Italy, China, Korea, Greece, Austria and Germany. Programs are written, produced and broadcast from studios in New York City and Washington, D. C.

LEADING PERSONALITIES:
Chief, International Broadcasting Division: Mr. Floy D. Kohler. — Associate Chief for Operations: James F. Thompson — Chief, Washington Office: Morton Glatzer — Chief, Program Operations Branch: Mucio Delgado — Chief, Facilities Branch: George Herrick. — Chief, Program Evaluation Branch: Leo Lowenthal.

Addresses: The International Broadcasting Division is centralised in New York and has one address only. "Voice of America", International Broadcasting Division, Department of State, 224 W. 57th Street, New York 19, N. Y.

STATIONS
U. S. A.s shortwave stations are divided into two main groups: East Coast stations, whose call-letters begin with W, and West Coast stations whose call-letters begin with K.

Stations and Frequencies:

KCBA	6040 kc/s	49.67 m*	KCBA	15210 kc/s	19.72 m†
KNBI	6060 kc/s	49.50 m*	KGEI	15210 kc/s	19.72 m†
WLWO	6080 kc/s	49.34 m	WBOS	15210 kc/s	19.72 m
KCBA	6120 kc/s	49.02 m*	WRCA	15210 kc/s	19.72 m
KNBA	6120 kc/s	49.02 m*	WRUA	15210 kc/s	19.72 m
KCBR	9515 kc/s	31.53 m*	KNBX	15240 kc/s	19.69 m
WGEO	9530 kc/s	31.48 m	KCBR	15250 kc/s	19.67 m
WRUA	9550 kc/s	31.41 m*	KNBX	15250 kc/s	19.67 m
KWID	9570 kc/s	31.35 m	WLWR1	15250 kc/s	19.67 m
KWIX	9570 kc/s	31.35 m	WCBN	15270 kc/s	19.65 m
WRUW	9570 kc/s	31.35 m	KCBR	15270 kc/s	19.65 m
KNBI	9650 kc/s	31.09 m	WNRE	15285 kc/s	19.63 m
WCRC	9650 kc/s	31.09 m*	WGEO	15330 kc/s	19.57 m
KGEI	9670 kc/s	31.02 m	WLWR2	15330 kc/s	19.57 m
WNRX	9670 kc/s	31.02 m	WLWR1	15350 kc/s	19.54 m
KCBF	9700 kc/s	30.93 m	WRUL	15350 kc/s	19.54 m
WLWS2	9700 kc/s	30.93 m	WRUX	17750 kc/s	16.90 m
WNRI	9700 kc/s	30.93 m*	WRUW	17755 kc/s	16.90 m
KNBA	9750 kc/s	30.77 m	WRUX	17755 kc/s	16.90 m
WLWR1	11710 kc/s	25.62 m	KWID	17760 kc/s	16.89 m
WLWS1	11710 kc/s	25.62 m*	KCBF	17770 kc/s	16.88 m
KGEX	11730 kc/s	25.58 m	KGEX	17780 kc/s	16.87 m†
KNBI	11770 kc/s	25.49 m	WNBI	17780 kc/s	16.87 m
WNRA	11770 kc/s	25.49 m*	WLWK	17800 kc/s	16.85 m
KNBX	11790 kc/s	25.45 m†	KNBX	17830 kc/s	16.83 m
WRUL	11790 kc/s	25.45 m	WCBX	17830 kc/s	16.83 m
WRUS	11790 kc/s	25.45 m	WLWS1	17830 kc/s	16.83 m
KCBF	11810 kc/s	25.40 m*	WGEX	17880 kc/s	16.78 m
WCRC	11830 kc/s	25.36 m	WNRI	18160 kc/s	16.52 m
KWIX	11860 kc/s	25.30 m	KNBA	21460 kc/s	13.98 m
WOOW	11870 kc/s	25.27 m*	WOOW	21500 kc/s	13.95 m
WNRX	11890 kc/s	25.23 m*	WCRC	21570 kc/s	13.91 m
KWID	11900 kc/s	25.21 m	WGEA	21590 kc/s	13.90 m
KCBR	15130 kc/s	19.83 m†	WNRA	21610 kc/s	13.88 m
KNBA	15130 kc/s	19.83 m	KNBI	21630 kc/s	13.87 m
WOOC	15130 kc/s	19.83 m	WLWS1	21650 kc/s	13.86 m
WRUA	15130 kc/s	19.83 m	WLWL1	21690 kc/s	13.83 m
WRUL	15130 kc/s	19.83 m	WNRX	21730 kc/s	13.81 m
KCBA	15150 kc/s	19.80 m	KCBA	21740 kc/s	13.80 m
WRCA	15150 kc/s	19.80 m	WRUX	25600 kc/s	11.72 m*

* Winter only † Summer only

Relay-stations: Germany (Munich)

1195 kc/s	251 m		
6080 kc/s	49.34 m	9540 kc/s	31.45 m
6170 kc/s	48.62 m	11870 kc/s	25.27 m
7250 kc/s	41.38 m	15280 kc/s	19.63 m

Hawaii (Honolulu)

KRHO	9650 kc/s	31.09 m*	KRHO	15250 kc/s	19.67 m
KRHK	11790 kc/s	25.45 m*	KRHK	17800 kc/s	16.85 m
KRHO	15130 kc/s	19.83 m*	KRHO	17800 kc/s	16.85 m

Philippines (Manila)

11890 kc/s	25.23 m	15330 kc/s	19.57 m
15250 kc/s	19.67 m	17760 kc/s	16.89 m

* Winter only.

DAILY PROGRAMMES
International shortwave programs from the United States fall into three main categories: news, editorial and information which includes news analysis, editorial comment and all basically informational programs such as round table discussions, documentaries, etc., music and entertainment.

09.00-09.30 English
09.30-10.00 Russian
10.00-11.30 English
11.30-12.00 Korean
12.00-13.15 Chinese
13.15 13.30 English-Chinese
13.30-14.15 English
15.30-15.45 English and German
15.45-16.00 Music
16.00-16.15 English
16.15-16.30 English-Greek-Polish
16.30-17.00 English-Italian-Persian
17.00-17.15 English-Bulgarian
17.15-17.30 English-Music
17.30-17.45 English-French-Czecho-Slovak-Slovene
17.45-18.00 English-French-Czecho-Slovak-Serbo Croat
18.00-18.15 German-Austrian-Russian
18.15-18.30 German-Music-Russian
18.30-19.00 Russian
19.00-19.30 English-Serbo Croat
19.30-20.00 Rumanian-Bulgarian-Czech Slovak
20.00-20.15 English-French-Hungarian
20.15-20.30 German-French Hungarian
20.30-20.45 Greek-Polish
20.45 21.00 English-Polish
21.00-21.30 Russian
21.30-21.45 Austrian-Italian
21.45-22.00 Hungarian-Italian
22.00-22.15 French-Spanish
22.15-22.30 English-Spanish
22.45-23.00 Korean
23.00-23.30 English
23.30-24.00 Chinese-Spanish
00.00-00.30 Spanish
00.30-01.00 Spanish-Portuguese
01.00-02.00 English
02.00-03.00 Spanish

Austrian:

18.00-18.15 The Voice of America in 13-16-19 m. b. (Relayed by Rot-Weiss-Rot Network, Austria)
21.30-21.45 America calling Austria in 13-16-19-25 m. b. (Relayed by Rot-Weiss-Rot Network, Austria)

Bulgarian:

17.00 17.15 News from the free world in 13-16-19 m. b. (Relayed by Munich in 251 and 41 m. b. and by BBC in 31 41 m. b.)
19.30-20.00 America calling Bulgaria in 13-16-19 m. b. (Relayed by Munich in 41-49 m. b.)

Chinese:

12.00-13.30 Various programmes in 25-31-49 m. b. (Relayed by Honolulu in 19-31 m. b. and Manila in 16-19-25-326 m. b.)
23.30-24.00 Various programmes in 13-16-19 m. b. (Relayed by Honolulu in 16 m. b. and Manila in 19-25-31 m. b.)

Czecho-Slovak:

17.30-18.00 America calling Czechoslovakia in 13-16-19 m.b. (Relayed by Munich in 251 m. b. and by BBC in 31-41 m. b.)
19.30-20.00 Report from America in 13-16-19-25 m. b.
21.00 On 251 m. Rep. 19.30

English:

09.00-09.30 Program Preview and News in 25-31-49 m. b. (Relayed by Honolulu in 19-31 m. b. and Manila in 16-19-25 m. b.)
10.00-11.30 Feature Program in 25-31-49 m. b. (Relayed by Honolulu in 19-31 m. b. and Manila in 16-19-25-326 m. b.)
Mon.-Fri.: America calling Indonesia at 11.00
Sat.: Boston Symphony Rehearsals at 11.00
13.15-13.30 News in 16-19 m. b.
13.30-14.00 American Journal (Mon.-Sat.), R. Forum R. Amateurs Pr. (Sun.) in 16-19-25-31-49 m. b. (Relayed by Honolulu in 19-31 m. b. and Manila in 16-19-25-326 m. b.)
14.00-14.15 News and Commentary in 25-31-49 m. b. (Relayed by Honolulu in 19-31 m. b. and Manila in 16-19-25-326 m. b.)
15.30-15.45 English and German Preview in 13-16-19 m. b. (Relayed by Munich in 251 m. b.)
16.00-16.15 Program Preview and Music in 13-16-19 m. b. (Relayed by Munich in 19-41-49 m. b.)
16.15-16.45 Report from America in 13-16-19 m. b. (Relayed by Munich in 41-251 m. b. and BBC in 267-25-31-41 m. b.)
16.45-17.00 Music in 13-16-19 m. b. (Relayed by Munich in 41 m. b.)
17.00-17.30 Feature Program in 13-16-19 m. b. (Relayed by Munich in 49 m. b. and BBC in 19-25-31 m. b.)
17.30-18.00 News and Commentary in 13-16-19 m. b. (Relayed by Munich in 25 49 m. b.)
19.00-19.15 News and Commentary in 13-16-19-25 m. b. Relayed by Munich in 25-49 m. b. and BBC in 25-31-41 m. b.)
19.15-19.30 American Journal (Mon.-Sat.), Radio Amateurs Program (Sun.) in 13-16-19-25 m. b. (Relayed by Munich in 49 m. b. and BBC 25-31-41 m. b.)
20.00 20.15 Talks in 13-16-19-25 m. b. (Relayed by Munich in 41-49 m. b. and BBC in 25-31-41 m. b.) Recorded and rebroadcast at 22.00 on Munich 251 m.
20.45-21.00 Commentators' Digest (Mon.-Fri.), Radio University (Sat.) American View Points. (Sun.) in 13-16-19-25 m. b. (Relayed by Munich in 41-49 m. b. and BBC in 25-31 m. b.)
22.00 On 251 m. Rep. 20.00
22.15-22.30 News in 16-19-25 31 m. b. (Relayed by Munich in 41-49 m. b.)
23.00-23.30 News and Press Opinion in 13-16-19 m. b. (Relayed by Honolulu in 16 m. b. and Manila in 19-25-31 m. b.)
01.00-02.00 News, Sport and Commentary in 13-16-19-25-31-49 m. b.

French:

17.30 18.00 "Ici New York" in 13-16-19 m. b. (Relayed by French Radio Network)
20.00-20.30 "Journal Parle" from Radiodiffusion Française in 13-19 m. b.
22.00-22.15 "L'Amerique au jour le jour" News and Comments in 16-19-25-31 m. b. (Relayed by BBC in 267-41-49 m. b.

German:

18.00-18.30 "Die Stimme Amerikas" in 13-16-19 m. b. (Relayed by German Mediumwave Stations Stuttgart, Bremen, Berlin, Munich, Frankfurt and Hof)
20.15-20.30 America calling Berlin in 13-16-19-25 m. b. Rebroadcast by RIAS, Germany at 23.00

Greek:

16.15-16.30 America calling Greece in 13-16-19 m. b. (Relayed by Munich in 19-49 m. b. and BBC in 25-31 m. b. also by Radio Athens and Radio Salonika)
16.45-17.00 On 251 m. (Rep. 16.15)
20.30-20.45 America calling Greece in 13-16-19-25 m. b. (Relayed by Munich in 41-49 m. b., by BBC in 25-31 m. b. and by Radio Athens and Radio Salonika)

Hungarian:

20.00-20.30 Report from America in 13-16-19-25 m. b. (Relayed by Munich in 251-49 m. b. and BBC in 25-31 m. b.)
21.45-22.00 America calling Hungary in 13-16-19-25 m. b. (Relayed by Munich in 49 m. b. and BBC in 31-41 m. b.)

Italian:

14.15-14.30 Music and Editorial Round-up in 16-19 m. b. (Relayed by Radio Italiano)

All times are indicated in G.M.T.

16.30-17.00 Italian Hour in 13-16-19 m. b. (Relayed by Munich in 49 m. b. and BBC in 25-31 m. b.)
18.00-18.30 On 251. Rep. 16.30
21.30-22.00 Italian Hour in 16-19-25 m. b. (Relayed by Munich in 251-41-49 m. b.)

Persian:
16.30-17.00 The Voice of America in 13-16-19 m. b. (Relayed by Munich in 19 m. b. and BBC in 16-19-25 m. b.)

Polish:
16.15-16.45 American Report to Poland in 13-16-19 m. b. (Relayed by BBC in 1796-456-41-31-25 m. b.)
20.30-21.00 Daily Radio Review in 13-16-19-25 m. b. (Relayed by Munich in 251-49 m. b. and BBC in 25-31-41 m. b.)

Portuguese:
00.30-01.00 Feature Programs in 16-19-25-31 m. b.

Rumanian:
19.30-20.00 America calling Rumania in 13-16-19 m. b. (Relayed by Munich in 251 m. b. and BBC in 25-31 m. b.)
03.15-03.45 News, Press Review, Round-up. Recorded and rebroadc. 03.45-04.15 on 251 m.
04.45-05.00 Progr. Sign of (Eng.-Germ.) and Music

Russian:
09.30-10.00 "This is America" in 25-31-49 m. b. (Relayed by Honolulu in 19-31 m. b. and Manila in 16-19-25 m. b.)
15.45 On 251 m
18.00-18.30 "This is America" in 13-16-19 m. b. (Relayed by Munich in 25-31-41-49 m. b. and BBC in 25-31-41 m. b.)
18.30-19.00 News and Comments in 13-16 19 m. b. (Relayed by Munich in 251-25-31-41-49 m. b. and BBC in 25-31-41 m. b.)
21.00-21.30 "This is America" in 13-16-19-25 m. b. (Relayed by Munich in 25-31-41-49 m. b. and BBC in 25-31-41 m. b.)
23.15-23.45 On 251 m. Rep. 21.00

Slovene:
17.30-17.45 Slovene Quarterhour in 13-16-19 m. b. (Relayed by Munich in 41 m. b. and BBC in 25-31 m. b.) Recorded and rebroadcast at 22.15 on Munich 251 m. b.

Serbo Croat:
17.45-18.00 America calling Yugoslavia in 13-16-19 m. b. (Relayed by Munich in 41 m. b. and BBC in 25-31 m. b.)
19.00-19.30 Report from America in 13-16-19 m. b. (Relayed by Munich in 41-251 m. b. and BBC in 25-31 m. b.)

Spanish:
22.00-22.30 Feature Program in 13-16-19-25-31 m. b. (Relayed by BBC in 31-41 m. b.)
22.30 On 251 m. Rep. 22.00
23.30-23.45 News for Radio Splendid, Buenos Aires and Music in 13-16-19 m. b.
23.45-24.00 Editorial Round-up for Radio Carve, Montevideo and Music in 13-16-19 m. b.
00.00-01.00 Feature Program in 13-16-19-25-31-49 m. b.
02.00-03.00 Feature Program in 19-25-31 m. b.

Music:
15.45-16.00 On 13-16-19 m. b. (Recorded and rebroadcast at 20.15 on Munich 19-41 m. b.)
17.15-17.30 On 13-16-19 m. b. (Relayed by Munich in 25-41-251 m. b., Recorded and rebroadcast at 21.30 on Munich 19 m. b.)
18.15-18.30 On 13-16-19 m. b. (Recorded and rebroadcast on Munich at 22.00 on 41-49 m. b.)
23.00 Russian Billboard and Music

ANNOUNCEMENT:
Each program ends with the words: "This program has come to you from the United States of America", in the language of the program.
Interval-Signal: The tune "Yankee Doodle".
MESSAGE TO LISTENERS
Reception reports are answered by QSL cards, and requests for special information are answered by letter. Monthly program booklets are available upon request in the following languages: French, Italian, German, Chinese, Portuguese, Spanish (for Latin America), Spanish (for Spain).

ARMED FORCES RADIO SERVICE

The Armed Forces Radio Service is a direct function of the Armed Forces Information and Education Division. It presents regular short wave schedules from both the east and west coasts of the United States, using the transmitters of the "Voice of America".
Fan mail addressed to either of the following offices will be answered by the office to which it is sent:
Adresses: Commanding Officer, New York Branch Office, Armed Forces I&E Division, 641 Washington Street, New York 14, N. Y. — Commanding Officer, Los Angeles Branch Office-AFRS, Armed Forces I&E Division, 1016 North Mc Cadden Place, Los Angeles 38, California.
TO EUROPE, AFRICA AND LATIN AMERICA
(*Winter)

	kc/s	m		kc/s	m
WNRX	*11890	25.23	WGEX	17880	16.78
WRCA	15150	19.80	WNRX	†21730	13.81
WBOS	15210	19.72			

Daily Programmes: 19.00-22.00. News from Home at 21.45. The other Programmes mostly consist of Sport, Music and Variety.
TO PACIFIC & ORIENT (* Winter, † Summer)

	kc/s	m		kc/s	m
KCBA	*6040	49.67	KWID	11900	25.21
KCBA	*6120	49.02	KCBA	15150	19.80
KWID	*9570	31.35	KCBA	†15210	19.72
KGEI	9670	31.02	KGEI	†15210	19.72
KCBF	9700	30.93	KNBX	15250	19.67
KGEX	*11730	25.58	KCBF	†17770	16.88
KCBF	*11810	25.40	KGEX	†17780	16.87
KWIX	11860	25.30			

Daily Programmes from 01.15-14.15
The programming schedule of this shortwave transmission is devoted primarily to news casts, sports casts, and broadcasting of special events, particularly those which are of national and international import. Such specific items as speeches of the President, of Cabinet members, and of Army, Air and Navy department figures, form an integral part of the transmission.
Announcement: "This is the Armed Forces Radio Service, The Voice of Information and Education". — The special programme "News from Home" is finished by an announcement: "You have been listening to "News from Home"" — a march tune — and then the signal in morse of "News from Home"

WORLD WIDE BROADCASTING FOUNDATION

Address: Box 320, Hatherly Beach, Scituate, Mass. Studios: 598 Madison Ave., New York 22, N. Y. and 133 Commonwealth Ave., Boston 16, Mass.
Leading Personalities: President and Founder: Mr. Walter S. Lemmon. Station Manager: Mr. Wyman Holmes. Chief Engineer: Mr. McDonald.
Stations:
TO EUROPE, 20.00-21.00

	kc/s	m		kc/s	m
WRUL	15350	19.54	WRUX	17755	16.90

WRUL 15130 19.83 WRUX 17750 16.90

TO CARRIBBEAN, 23.00-00.00

These frequencies are used on and off throughout the year.

Daily Programmes (throughout year) from 20.00-21.00 and 22.58-24.00.

To Europe from 20.00-21.00 on 25.55, 19.54 and 16.90 m.

20.00 Dutch (Mon., Tuesd., Wedn.). Norwegian (Thurs., Fri., Sun.). Danish (Sat.)

20.15 English (Mon.) — Italian (Tuesd.) French (Wedn.) English (Thurs., Sat.) Polish (Fri.) English (Sun.)

20.30 Feature Progr. in English (Mon.to Sun.)

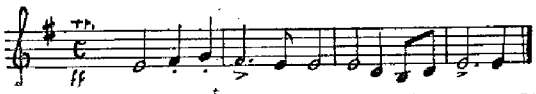
20.45 Business news in English (Weekdays) Feature Progr. English (Sat., Sun.)

To Latin America from 22.58-24.00 on 19.54 and 16.80 m

22.58 English Programme.

Announcement: "This is the World Radio University, Stations WRUL, WRUW and WRUX, in Boston, United States of America." Regular full Announcement: "This is your station, WRUL, The World Radio University, Boston, United States of America. *Your* stations mean that we are a non-profit, non-commercial, non-government station, supported by constributions of private critizens all over the world, and by your letters."

Interval-signal:



Message to Listeners: QSL cards will be sent directly to you from our transmitter at Scituate, Massachusetts.

UNITED NATIONS RADIO

Address: United Nations Radio, Lake Success, New York, U. S. A.

Leading personalities: Director of United Nations Radio Division: Mr. Peter Aylen. — Deputy Director: Mr. Carlos Garcia-Palacios. — Chief of Production: Mr. W. Gibson Parker. — Chief of Special Projects: Mr. Norman Corwin. — Regional Chiefs: Mr. Gerald Kean, Mr. Mike Peng, Mr. Eugenio Soler-Alonso, Mr. Hugh Williams. — Chief Radio News Editor: Mr. Cèsar Ortiz-Tinoco.

SCHEDULE OF BROADCASTS

On CKNC 17820 kc/s, CKRP 21600 kc/s, CKCX 15190 kc/s, CKNC 17820 kc/s.

14.00 African Progr. (Tues.-Fri.)* Radio Review

14.55 News in Icelandic (M.-Fri.)*

15.00 Russian Progr. (Mo.-Fri.)*

Relays of Morning Meetings

On WNRA 21610 kc/s, WNRI 18160 kc/s, WOOC 15130 kc/s WNRA 11770 kc/s

15.00 Direct broadcast of meetings with running narration in English and French. Exceptionally, meetings may begin at 14.45.

European and Middle Eastern Programme (Mo.-Fri.)*

On WNRA 21610 kc/s, WNRI 18160 kc/s, WOOC 15130 kc/s

17.30 Progr. Summary
17.31 French Dispatch
17.45 Arabic Progr. (News and Talks)
18.15 News in Dutch
18.25 News in Hebrew
18.30 News in English

Relays of Afternoon Meetings.

On WNRA 21610 kc/s, WNRI 18160 kc/s, WOOC 15130 kc/s

19.00-22.30 Direct broadcast of meetings with running narration in *English* and *French* (exceptionally meetings may begin at 18.30).

Latin American Programme (Monday-Friday)*

On WRCA 15210 kc/s, WNRX 9670 kc/s, WLWR-1 11710 kc/s, WLWR-2 15330 kc/s, WCBX 17830 kc/s from 23.00-24.00. On WRUL 11790 kc/s, WRUW 9570 kc/s, WNBI 17780 kc/s, WLWK 17800 kc/s from 02.00-03.00.

23.00 News, Progr. Spanish
23.45 News Portuguese
23.53 News Spanish
02.00 News, Progr. Spanish
02.45 Progr. Portuguese
02.55 News Spanish

Indian and Pakistan Programme (Tuesday-Saturday)**

On GRZ 21640 kc/s

10.00 News Hindustani. — 10.07 News Urdu

Australian and New Zealand Programme (Tuesday-Saturday).

On CHOL 11720 kc/s, CKLX 15090 kc/s.

03.30 News in English. — 03.35 Radio Review

Transpacific Programme (Tuesday-Saturday)**

KNBA 15130 kc/s, KNBI 9650 kc/s, KRHO 17800 kc/s, Manila (Relay 15330 kc/s)

07.15 Progr. Summary
07.20 News Siamese
07.25 News Burmese
07.30 Headline News English
07.35 News Tagalog
07.45 News French
07.50 News Indonesian-Malay
07.55 News Dutch
08.00 News English
08.15 Chinese Progr.
08.35 News Urdu
08.42 Music and Close

* Also on Saturdays during General Assembly.

** Also on Sundays during General Assembly.

Europe and Middle East Point to Point Transmissions (Tuesday-Saturday)

02.15 News in Polish — Radio Polskie

05.05 News in Persian — Radio Teheran

05.10 News in Pushtu — Radio Kabul

05.15 News in Greek — Radio Athens

05.25 News in Serbo/Croat — Radio Belgrade

Highlights of Programmes:

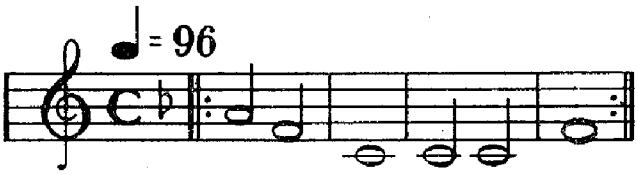
"UNITED NATIONS TO-DAY", a quarter-hour review of significant international developments, highlighted by the recorded voices of delegates as they speak at United Nations' meetings around the world, is heard on more than 20 stations, which form a "Network for Peace" from Coast-to-Coast in the USA and the Dominion Network of the Canadian Broadcasting Corp.

A weekly quarter-hour programme "MEMO FROM LAKE SUCCESS", is broadcast in the United States over the CBS network and in Canada over the Trans-Canadian network on Saturdays from 01.15-01.30.

For full deails of stations carrying these programmes, please write to United Nations Radio, Lake Success.

Announcement: "This is the United Nations calling the peoples of the World." This introductory phrase is used in all of the official UN programmes in all of the languages concerned.

Interval-Signal:



Message to Listeners: The Radio Division is anxious to establish contact with as many listeners as possible and will gladly acknowledge all communications. Letters from all parts of the world have already brought valuable information about the reception of United Nations' broadcasts and about local listening conditions. All correspondents will receive a United Nations Radio verification card, new correspondents being sent a copy of the Charter Basic Facts about the United Nations, and booklets about all the Specialized Agencies. — Correspondence, requests for copies of the schedule of U. N. broadcasts which can be heard in the United States, should be addressed to: *United Nations Radio, Lake Success, N. Y., U. S. A.* or to the Director of the nearest UN Information Centre. These centres are located in Buenos Aires, Cairo, Copenhagen, Geneva, London, Mexico, Moscow, New Delhi, Paris, Prague, Rio de Janeiro, Shanghai, Sydney, Warsaw and Washington.

CENTRAL- AND SOUTH AMERICA

HABANA
ST. CLARA
MEXICO CITY
PORT-AU-PR.
SANTIAGO
CIUDAD TRUJILLO
QUEZALTENANGO
GUATEMALA CITY
SAN SALVADOR
COLON
CARACAS
SAN JOSE
BOLIVAR
MEDELLIN
PANAMA CITY
BOGOTA
QUITO
GUAYAQUIL
FORTALEZA
RECIFE
LIMA
LA PAZ
RIO DE JANEIRO
ANTOFAGOSTA
ASUNCION
SAO PAULO
ENCARNACION
MENDOZA
ROSARIO
VALPARAISO
SANTIAGO
MONTEVIDEO
BUENOS AIRES

Brazil: Miss Janet Swaton. Announcer in English, who directs and presents all programmes in English from Radio Jornal do Commercio, Recife (left).
Cuba: Trio Hermanas Marquez famous Cuban singers, who often broadcast from CIRCUITO CMQ, Havana. — Cuba: Mr. Enrique Rodriquez, Announcer at CIRCUITO CMQ, Havanna (right).

map Central America South America Janet Swaton Radio Jornal do Comercio Recife Brasil Cuba Trio Hermanas Marquez Circuito CMQ Enrique Rodriguez

CENTRAL AMERICA

COSTA RICA

Stations:

TIGPH	5875 kc/s	51.06 m	1 kW
TIRH	6153 kc/s	48.75 m	0,25 kW
TILS	6165 kc/s	48.66 m	2 kW
TIEP	6700 kc/s	44.78 m	1 kW
TIPG	9615 kc/s	31.20 m	3 kW

TILS: RADIODIFUSORA PARA TI, SAN JOSÉ
Address: Apartado 3, San José.
Daily Programmes in *Spanish* from 16.00-04.30.
Announcement: "TILS Radio Para Ti en San José de Costa Rica en la America Central".
TIGPH: ALMA TICA SAN JOSÉ
Address: Apartado 800, San José.
TIEP: LA VOZ DEL TROPICO San JOSÉ
Address: Apartado 257, San José.
TIPG: LA VOZ DE LA VICTOR SAN JOSÉ
Address: Apartado 225, San José.
TIRRC — RADIOEMISORA CATOLICA, SAN JOSÉ
TIRH — RADIO EL MUNDO, SAN JOSÉ

CUBA

Stations:

COX-7	4290 kc/s	69.63 m	5 kW
COCO	6010 kc/s	49.92 m	5 kW
COBF	6040 kc/s	49.67 m	1 kW
COCD	6130 kc/s	48.94 m	1 kW
COCW	6327 kc/s	47.43 m	1 kW
COHI	6450 kc/s	46.51 m	5 kW
COJK	8666 kc/s	34.62 m	1 kW
COCO	8700 kc/s	34.48 m	5 kW
COCQ	8825 kc/s	33.92 m	5 kW
COKG	8960 kc/s	33.48 m	1,2 kW
COBZ	9026 kc/s	33.24 m	1 kW
COBQ	9235 kc/s	32.49 m	1 kW
COCX	9273 kc/s	32.33 m	1 kW
COBC	9380 kc/s	31.98 m	1 kW
COCH	9437 kc/s	31.80 m	5 kW
COCO	9520 kc/s	31.51 m	5 kW
COX4	9640 kc/s	31.12 m	5 kW
COBL	9833 kc/s	30.51 m	1 kW
COCY	11740 kcs	25.55 m	5 kW
COBH	11804 kc/s	25.41 m	1 kW
COCY	21620 kc/s	13.87 m	1 kW

COX7/COX4 RADIO EDUCACION
Address: Ministry of Education Radiodifusora del Ministerio de Educacion, Avenue de Columbia, Havana.
Daily Programmes from 12.00-05.00 Cultural Programmes
COCQ — CIRCUITO CMQ ("RADIO CENTRO")
Address: Circuito CMQ, S. A., Radiocentro, Vedado, Havana.
Leading Personalities: President: Mr. Goar Mestre, Chief Engineer; Mr. Raul Lopez Guiral, Director of News: Mr. Angel Cambo. Director of Programmes: Mr. Manuel Cores. Director of Sales: Mr. Arturo Chabeau. Television Chief Engineer: Mr. Ventura Montes.
Daily Programmes in *Spanish* from 11.30-05.30.
News at 11.45, 12.30, 15.55, 16.30, 16.55 (Sun.), 17.25, 22.45, 23.25, 01.53 and 04.00.
Highlights of Programmes:
Cascabbles Candado, famous artists: Mon., Wedn., Fri., Sat. 01.00-01.30.
General Electric Concert: Sun. 02.00-02.27.
Fiesta con Bacardi, famous artists: Weekd. 03.00-03.26.
Chicharito y Sopeira; two most popular cabaret artists: Weekdays 17.56-18.09.
Announcement: "CMQ Radiocentro, Sa Habana." Announcements are made between all programmes approximately every 15 minutes.
Message to Listeners: Reports are verified by QSL-card.
COCY/COHI — RHC CADENA AZUL
Address for COCY: Radio Habana Cuba, S. A. Prada 53, Havana. For COHI: Santa Clara.
Daily Programmes in *Spanish* from 11.30-06.00.
News: 12.00, 12.15 (Local), 14.00, 18.20, 19.50, 00.26, 01.20, 03.23, 05.55. Commentary, Editorials: 23.00-23.36.
Announcement: Call letters of the network and the name "RHC Cadena Azul" are broadcast every half hour.
Message to Listeners: Reports verified by QSL-card.
COCO — RADIO AMERICA "EL PERIODICO DEL AIRE"
Address: Cia Editorial "El Crisol", Compania Radiodifusora, COCO — CMCK, Virtudes and Mamigue, San Miguel 314, Havana.
Daily Programmes in *Spanish* from 12.00-05.00.
COCH — UNION RADIO, HAVANA
Daily Programmes in *Spanish* from 11.30-04.30.
COBF — CIRCUITO RADIAL
Address: Cia Radio Universal S. A., Prado 159, Havana.
Daily Programmes in *Spanish* from 13.00-04.00.
COCD — LA VOZ DEL AIRE
Address: La Voz del Aire, Hotel Palace, Vedado, P. O. Box 2294, Havana.
Daily programmes in *Spanish* from 12.00-05.00.
Message to Listeners: Reports are verified by QSL-card.
COCW — CADENA ROJA
Address: Radio Habana, Prado 53, Havana.
Daily Programmes in *Spanish* from 11.00-05.00.
COBZ — RADIO SALAS
Address: Radio Salas, San Rafael 108, Apartado 866, Havana.
Daily Programmes in *Spanish* from 11.00-05.00.
Message to Listeners: Reports are verified by QSL-card.
COBC — RADIO PROGRESSO
Address: Radio Progresso, San José 104, Havana.
Daily Programmes in *Spanish* from 10.30-05.15.
Message to Listeners: Reports are verified by letter.
COBL — RADIO CADENA SUARITOS
Address: Radio Cadena Suaritos, 25 num. 1113, Havana.
Daily Programmes in *Spanish* from 12.15-05.45.
COCX — LA EMISORA DEL PUEBLO
Address: Talleres Tipograficos, Reina 314, Havana.
Daily Programmes in *Spanish* from 12.30-05.30
COBH — RADIO CADENA, HAVANA
Address: Emissora Musical de Cuba.
Daily Programmes in *Spanish* from 11.52-05.00.
COBQ — LA VOZ DE CUBA
Address: La Voz de Cuba, Compania Radiodifusora de Publicidad, Vista Alegre 269, Havana.
Daily Programmes in *Spanish* from 13.00-17.00 and 22.30-04.30.

15.00 Spanish Music	16.00 Cuban Music
15.30 Argentine Music	01.00 Spanish Music

COJK — LA VOZ DE EL CAMAGUEYANO CAMAGUEY
Address: Camaguey, Finlay 4, Havana.
Daily Programmes in *Spanish:* 13.00-03.00.
COKG — CADENA ORIENTAL DE RADIO
Address: Apartado 82, Santiago.
Daily Programmes in *Spanish* from 11.30-05.00.
Message to Listeners: Reports are verified by letter.

CURAÇAO

Address: "Curom", P. O. Box 31, Willemstad, Curaçao.
Raliopublications: Curom-gids.
Leading Personalities: President: Mr. F. Visser. Manager: Mr. W. P. G. Stokla.
Stations: Willemstad PJC2
2313 kc/s 129.7 m 2 kW 5010 kc/s 59.88 m 3 kW
Daily Programmes in *Dutch:*

Weekdays from 16.30-17.30 and 23.00-03.00.
Saturdays from 17.30-18.30 and 23.00-03.00.
Sundays from 13.30-17.30 and 23.00-02.30
All transmissions in Dutch except a daily transmission from 23.50-00.05 in Papiamento (local language) and an English transmission every Tuesday at 01.00.
Highlights of Programmes: Every day at 01.15: Sunday Opera, Monday Cabaret, Tuesday Dutch Programme, Wednesday South American Programme, Thursday Classical Music, Friday Light Music, Saturday Requested Music. — "Holland Today and Tomorrow" Monday 01.00, Caraibisch Overzicht, Sunday 01.00.
Announcement: "Hier is de "Curom", de Juliana Zender te Willemstad op Curaçao Nederlandsch West Indie".
Message to Listeners: "We draw your attention to the broadcast "Holland Today and Tomorrow". Listener reports are answered by QSL cards.

DOMINICANA (Rep.)

Stations:

HI1L	4950 kc/s	60.61 m	0,25 kW
HI-1A	4980 kc/s	60.24 m	0,75 kW
HIT	5010 kc/s	59.88 m	0,1 kW
HI-8Z	5030 kc/s	59.67 m	0,2 kW
HI-2A	5055 kc/s	59.35 m	0,25 kW
HI-4T	5970 kc/s	50.26 m	7,5 kW
HI-9B	6000 kc/s	50.00 m	0,2 kW
HI-1J	6025 kc/s	49.79 m	0,1 kW
HI-1N	6050 kc/s	49.59 m	0,7 kW
HI-1X	6078 kc/s	49.33 m	1 kW
HI-3X	6080 kc/s	49.34 m	1,0 kW
HI-1Z	6105 kc/s	49.14 m	0,2 kW
HI1G	6124 kc/s	48.99 m	0,10 kW
HI-1R	6140 kc/s	48.86 m	0,2 kW
HI-1G	6147 kc/s	48.80 m	0,1 kW
HI-9T	6190 kc/s	48.47 m	0,1 kW
HI-1A	6196 kc/s	48.42 m	0,075 kW
HI1Z	6312 kc/s	47.53 m	0,20 kW
HI-9B	6383 kc/s	47.00 m	0,2 kW
HI-1R	6432 kc/s	46.65 m	0,2 kW
HI2T	6480 kc/s	46.30 m	0,20 kW
HI-3C	6730 kc/s	44.60 m	0,03 kW
HI-2A	6785 kc/s	44.21 m	0,25 kW
HI-8Z	7165 kc/s	41.88 m	0,2 kW
HIT	7200 kc/s	41.67 m	0,10 kW
HI-9U	7205 kc/s	41.64 m	0,1 kW
HI2A	7214 kc/s	41.58 m	0,25 kW
HI8Z	7225 kc/s	41.52 m	0,20 kW
HI-2T	7275 kc/s	41.24 m	7,5 kW
HI-2G	9225 kc/s	32.54 m	0,1 kW
HI-2L	9525 kc/s	31.50 m	0.5 kW
HI3X	9650 kc/s	31.09 m	0,25 kW
HI2A	9680 kc/s	30.99 m	0,25 kW
HI-2T	9727 kc/s	30.84 m	7,5 kW
HI1X	11800 kc/s	25.42 m	0,25 kW
HI-2T	11900 kc/s	25.21 m	7.5 kW

HI2T/HI4T — LA VOZ DOMINICANA, CIUDAD TRUJILLO
Daily Programmes in *Spanish* from 12.00-05.30.
Message to Listeners: Reports are verified by QSL-card.
HI1Z — BROADCASTING NATIONAL "LA VOZ DE LOS MUCHAHOS"
Address: Broadcasting Nacional Apartado 1092, Ciudad Trujillo.
Daily Programmes in *Spanish* from 12.00-14.00, 16.00-19.30, 22.00-04.00.
HI1X-HI3X — RADIODIFUSORA OFFICIAL "LA VOZ DE LA REP. DOMINICANA"
Address: Radiodifusora Official, Direccion General de Communicaciones, Ciudad Trujillo.
Daily Programmes in *Spanish* from 17.00-23.30.
Announcement: "Broadcasting Nacional HIZ y HI1Z en Ciudad Trujillo capital de la Republica Dominicana una nacions unidas."
HI1N — EMISORAS UNIDAS
Address: La Voz del Partido Dominicana, Ciudad Trujillo.
Daily Programmes in *Spanish* from 13.30-19.50, 22.20-04.05.
HI1R — LA VOZ DE FUNDACION, SAN CHRISTOBAL
Address: Calle Constitution, S. Christobal.
Daily Programmes in *Spanish* from 12.00-00.30 (Music).
HI9T-HI9U — BROADCASTING TROPICAL PUERTO PLATA
Daily Programmes in *Spanish* from 15.55-19.00, 20.55-24.00.
HI1A — RADIO CARIBE, SANTIAGO
Address: Apartado 423, Santiago de los Cabelleros.
Daily Programmes in *Spanish* from 15.55-19.05, 20.55-02.35.
HI9B — BROADCASTING HOTEL MERCEDES, SANTIAGO DE LOS CABELLEROS
Daily Programmes in *Spanish* from 16.00-01.30.
HIT — EL HIT DEL AIRE
Address: Apartado 1105, C. Trujillo.
Daily Programmes in *Spanish* from 13.00-15.00, 17.10-18.40 and 21.40-01.40.
HI3C — LA VOZ DEL PAPAGAYO, LA ROMANA
Address: Antonio Herrero, Bella Vista 49, La Romana.
Daily Programmes in *Spanish* from 17.00-02.30.
HI1L-HI2L — LA VOZ DEL TROPICO, TRUJILLO
Daily Programmes in *Spanish* from 14.00-02.33.
HI2A — LA VOZ DE LA REELECCION, EL CAFE DEL VAQUE, SANTIAGO DE LOS CABELLEROS
HI1G/HI2G — EMISORAS HIG, CIUDAD TRUJILLO
HI8Z — CADENA NACIONAL DE RADIO, SANTIAGO
Daily Programmes in *Spanish* from 16.00-02.00.
HI1J — ONDAS NACIONALES, SAN PEDRO DE MACORIS
Daily Programmes in *Spanish* from 17.30-19.15 and 23.45-02.30.
Message to Listeners: Reports are answered by QSL card.

GUADELOUPE (French West Indies)

Address: Chef Service Information, Directeur de la Radio, Palais d'Orléans, Basse-Terre, Guadeloupe.
Leading Personalities: Mr. L. Barrat.
Stations: Radio Guadeloupe.

FG8HA	7447 kc/s	40.29 m	0,14 kW
	6123 kc/s	49.00 m	0,1 kW

Daily Programmes in *French* from 16.30-17.30 and 23.00-00.30. News at 17.00 and 23.45. Music at 16.45, 23.00 and 24.00.
Announcement: "Ici Radio Guadeloupe, Poste Nationale Français".

GUATEMALA

Stations:

TGOA	4169 kc/s	71.90 m	5 kW
TGOA	6101 kc/s	49.18 m	0,5 kW
TGX1	6190 kc/s	48.47 m	0,1 kW
TGJA	6230 kc/s	48.16 m	1 kW
TGRA	6255 kc/s	47.96 m	0,15 kW
TGTO	6285 kc/s	47.73 m	0,20 kW
TGLA	6295 kc/s	47.66m	0,2 kW
TGTA	6335 kc/s	47.35 m	1 kW
TG3	6410 kc/s	46.80 m	0,3 kW*
TGWB	6440 kc/s	46.58 m	1 kW*
TGOA	6497 kc/s	46.19 m	0,5 kW
TG2	6620 kc/s	45.32 m	1 kW*
TGZA	6660 kc/s	45.05 m	0.25 kW
TGRB	6860 kc/s	43.73 m	0,15 kW
TGBC	6899 kc/s	43.49 m	0,1 kW

TGDA	7462 kc/s	40.20 m	0,05 kW
TGWA	9760 kc/s	30.74 m	10 kW*
TGWA	15170 kc/s	19.78 m	10 kW*
TGZA	15303 kc/s	19.60 m	0,25 kW (spec. broadc.)

* Government stations.

TGWA and TGWB — RADIO NACIONAL
Address: Radio Nacional, La Voz de Guatemala, Ciudad de Guatemala.
Leading Personalities: Director: Mr. Miguel A. Sanoval. Secretary: Mr. Lionel Forno H. Director of Programmes: Mr. José Flamenco y Cotero.
Daily Programmes from **TGWA** (Commercial programmes) in *Spanish* on 19.78 m from 12.30-20.00 and on 30.74 m from 23.00-05.00.
Daily Programmes from **TGWB** (Cultural programmes) In *Spanish* from 12.30-18.00 (Relay TGWA). From 18.00-20.03, 22.57-05.01 (Cultural).
Announcement:
TGWA: "Estacion Comercial de "La Voz de Guatemala" en Centro America."
TGWB: "Estacion Culturau de "La Voz de Guatemala" en Centro America."
Message to Listeners: Reports are verified by QSL-card.

TGLA — LA VOZ DE CENTRO AMERICA
Address: Radio Periodico y Difusora, 10a Calle Oriente, num 22, Guatemala City.
Daily Programmes from 00.30-04.00.
Message to Listeners: Reports are answered by QSL-letter.

TGOA — LA VOZ DE LAS AMERICAS, GUATEMALA CITY
Daily Programmes from 12.30-05.03.

TG2 — TG3 — RADIO MORSE, LA VOZ DE LIBERTAD, GUATEMALA CITY
Daily programmes from 12.30—14.00, 18.00—04.30.

TGTA — RADIO BOLIVAR
Address: Avenida Bolivar 13—201, Guatemala City.
Daily Programmes in *Spanish* from 00.00-05.00.
Message to Listeners: Reports are welcomed and answered by QSL card.

TGX1 — LA VOZ DEL PUEBLO
Address: Periodico Liberal Progresista, Guatemala City.

TGDA — LA VOZ DE OCCIDENTE
Address: Indepedencia 8, Quezaltemango.
Daily Programmes in *Spanish* from 13.00-14.00, 18.00-19.00 and 00.00-03.03.

TGJA — RADIO NUEVO MUNDO, GUATEMALA CITY
Daily Programmes in *Spanish* from 13.00-05.05.

TGRA/TGRB — RADIO LIBERTAD, LA VOZ DE LA GUARDIA CIVIL, GUATEMALA CITY
Daily Programmes in *Spanish* from 00.00-03.02.

TGTO — RADIO INTERNATIONAL, LA VOZ DE CAPITAL, GUATEMALA CITY
Daily Programmes in *Spanish* from 00.00-05.20.

TGBC — LA VOZ DE MAZATANANGO, MAZATANANGO
Daily Programmes in *Spanish* from 01.45-03.45.

HAITI

4V2S	5951 kc/s	50.46 m	0,5 kW
4VCM	6165 kc/s	48.66 m	1,0 kW
4VCN	6407 kc/s	46.83 m	0,1 kW
4VCN	6660 kc/s	45.05 m	0,1 kW
4VBM	9660 kc/s	31.06 m	1,0 kW
4VRW	10135 kc/s	29.06 m	0,5 kW

4VCM-4VBM — MACLOIRE BROADCASTING CIRCUIT, NATIONAL BROADCASTING COMPANY
Address: Rue Eugène, Baenjolly, Port-au-Prince.
Daily Programmes in *French* from 11.00-13.30 on 9660 kc/s and 17.00-19.33, 22.00-02.00 on 6165 kc/s.
Announcement: Every half hour: "Vous écoutez à la NBC au Port-au-Prince, Capitale de la Republique d'Haïti. La MBC travaille en ce moment avec la 4VBM 31 m, la 4VCM 48 m et la 4VGM 208.66 m. La MBC est affiliée à la NBC de New York".
Interval-Signal: Every half hour: Five chimes.
Message to Listeners: Reports are verified by letter. Return postage not necessary.

4VRW — STATION DE RADIODIFFUSION 4VW
Address: Rue Boun Fer, Box A 117, Port-au-Prince.
Daily Programmes in *French* from 11.00-13.30, 17.00-20.00 and 23.00-03.00. (Sun. 17.00-22.00). z

4V2S — RADIO PORT AU PRINCE
Address: Société Haïtienne de Radiodiffusion, Govt. Rue du Centre, Port-au-Prince.
Daily Programmes in *French* from 11.30-12.37, 17.00-19.30 and 23.00-03.00. (Sun. 01.00).
Announcement: Chimes and call 4V2S Radio Port au Prince every 15 minutes. Announcement in French and English.

HONDURAS (Rep.)

La Voz de Honduras, Tegucigalpa.
Station: HRN 5877 kc/s 51.06 m 0,75 kW
Daily Programmes in *Spanish* from 13.00-15.00, 16.37-18.45, 22.30-03.30.

RADIO MIL CIEN, La Voz de Lempira, Tegucigalpa.
Station: HRA 5940 kc/s 50.51 m 2 kW
9045 kc/s 33.16 m 0,75 kW
Daily Programmes in *Spanish* from 13.00-15.00, 22.30-03.30.

La Voz de Atlantida, La Ceiba.
Address: Avenida 14 de Julio, La Ceiba.
Station: HRD2 6235 kc/s 48.12 m 0,2 kW
Daily Programmes in *Spanish* from 18.00-20.00 and 01.00-05.00.

La Voz de Suyapa, San Pedro Sula.
HRQ 6125 kc/s 48.98 m 1,0 kW

El Eco de Honduras, San Pedro Sula.
HRP1 6351 kc/s 47.24 m 0,5 kW

HONDURAS (British)

Address: Government Radio Station c/o Colonial Postmaster, Belize, British Honduras.
Stations: ZIK2 10600 kc/s 28.30 m 0,2 kW.
Daily Programmes in *English* from 15.00-17.45. *News* at 13.30.

JAMAICA (British West Indies)

JAMAICA BROADCASTING COMP.
Address: The Government Broadcasting Station, 2 Seaview Avenue, Half Way Tree, Kingston.
Leading Personalities: Station Manager: Denis M. Gick.
Stations: Kingston ZQI
4950 kc/s 60.60 m 0,2 kW
3480 kc/s 86.21 m 0,2 kW
Daily Programmes in *English* from 16.15-18.00, 18.30-22.33 on 60 m and 00.30-03.00 on 86 m.
Announcement: Identification in English is given at 15 minutes interval. All transmissions are opened with the chorus from Elgar's "Land of Hope and Glory".
Message to Listeners: Reports of reception are welcomed, and, if verified, are acknowledged with QSL cards.

MARTINIQUE (French West Indies)

Address: Le Directeur du Service d'Information, Fort-de-France.
Leading Personalities: Director: Mr. R. Hennebault.
Stations: Radio Martinique.
FNRI 9700 kc/s 30.93 m 1.5 kW
Daily Programmes from 10.30-11.30 (Sunday 10.30-12.00),

16.15-18.00, 22.30-01.30 (Saturday 22.30-02.00, Sunday 22.00-01.30).
Announcement: "Ici Radio Martinique, Poste National Français" or "Ici Radio Martinique — La Voix de la France aux Antilles".
Interval-Signal: The first six notes of "Sous les Ponts de Paris" played on Xylophone. Open with "La Marseillaise" and "Marche Lorraine".
Message to Listeners: Reports are verified by QSL-card. Return postage to be enclosed.

MEXICO

STATIONS:

Cultural Stations:			
XEJG	4820 kc/s	62.24 m	0,2 kW
XEEP	6155 kc/s	48.74 m	1 kW
XEXA	6175 kc/s	48.58 m	0,1 kW
XEYU	9600 kc/s	31.25 m	0,25 kW
Commercial Stations:			
XEOI	6010 kc/s	49.92 m	2,5 kW
XEUW	6020 kc/s	49.83 m	0,25 kW
XEKW	6030 kc/s	49.75 m	0,5 kW
XEUZ	6130 kc/s	48.94 m	0,1 kW
XEWW	9500 kc/s	31.58 m	25 kW
XEFT	9545 kc/s	31.43 m	0,25 kW
XETT	9555 kc/s	31.40 m	0,5 kW
XEBT	9625 kc/s	31.17 m	10 kW
XEQQ	9680 kc/s	30.99 m	1 kW
XEBR	11820 kc/s	25.38 m	0,15 kW
XEHH	11880 kc/s	25.25 m	0,25 kW

XEJG — GOBIERNO DEL ESTADO DE JALISCO
Address: Palicio de Gobierno, Guadalajara.
Daily Programmes in *Spanish* from 03.50-05.00.
XEEP — RADIO EDUCACION SRIA DE EDUCACION PUBLICA. MEXICO CITY
Address: Av. Argentina y G. Obregon.
XEXA — RADIO GOBERNACION, MEXICO D. F.
Address: Calle de Bucareli, Mexico City.
Daily Programmes in *Spanish* from 13.00-13.30, 15.00-05.00.
XEYU — RADIO UNIVERSIDAD
Address: Universidad Nacional de Mexico, Calle de Justo Sierra, Mexico D. F.
XEWW — LA VOZ DE LA AMERICA LATINA DESDE MEXICO
Address: Cadena Radiodifusora Mexicana S. A., Calle Ayuntamiento No. 54, Mexico D. F.
Daily Programmes in *Spanish:*
On 31.58 m from 12.55-06.00
On 19.79 m: Used only occasionally for special transmissions.
Announcement: Call given every quarter of the hour "XEW y XEWW Ciudad de Mexico" preceeded by four descending chimes.
Message to Listeners: Reports are verified by QSL-card.
XEBT — LAS EMISORAS DE AMERICA
Address: Estaciones Radiodifusoras Comerciales XEB and XEBT, Calle Buen Tono Nr. 6, Mexico D. F.
Daily Programmes in *Spanish* from 14.20-06.00.
Announcement: In *Spanish:* "Las Emisoras de America desde la Capital de la Republica Mexicane" or "Estacion XEB y XEBT. Las Emisoras de America". In *English:* "You have listened to XEB mediumwave and XEBT shortwave".
Interval-Signal: Melody: Liszt's "Liebestraum". Every quarter of the hour one cuckoo signal; three cuckoo signals after each programme and every half hour.
Message to Listeners: Reports answered by QSL-card.
XEOI — RADIO MIL
Address: Radio Mil, Fomento de Radio S. A., Donato Guerra No. 26, Mexico City.
Daily Programmes in *Spanish* from 14.00-06.00.
XEQQ — LA CADENA AZUL
Address: Radio Panamericana XEQQ, José Maria Marroqui No. 11, Mexico D. F.
Daily Programmes — in *Spanish:* 12.55—06.00.
Message to Listeners: Reports are answered by QSL cards.
XEFT — LA VOZ DE VERA CRUZ
Address: Independencia No. 74, Vera Cruz.
Daily Programmes in *Spanish* from 15.00-05.25.
Message to Listeners: Reports are answered by QSL cards.
XEHH — SAL DE UVAS PICOT
Address: Zempoa No. 77, Mexico D. F.
XEKW — EL ECO DE MICHOACAN
Address: Aldama No. 154, Morelia.
Daily Programmes in *Spanish* from 12.00-17.00, 21.00-04.00.
XETT — LA HORA EXACTA
Address: Dolores No. 17 4/to Piso Mixico D. F.
Daily Programmes in *Spanish* from 12.00-06.00.
XEUW — EL ECO DE SOTAVENTO DESDE VERA CRUZ
Address: Independencia No. 230, Vera Cruz.
Daily Programmes in *Spanish* from 12.00-06.00.
XEUZ — CADENA RADIO NACIONAL "PRI"
Address: Partido Revolucion Mexicana, Paseo de la Reforma No. 18, Mexico D. F.
Daily Programmes in *Spanish* from 20.00-05.20.
XEUZ — RADIO CENTRAL DO MEXICO, S. A.
Address: Caxaca No. 106, Mexico D. F.
XEBF — LA AMIGA DEL HOGAR, JALAPA
XENN — RADIO MUNDIAL, MEXICO CITY
XEBR — RADIO DIFUSORA "EL HERADO" DE SONORA, HERMOSILLO
Message to Listeners: Reports are answered by QSL card.

REP. NICARAGUA

Stations:

YNJAT	5758 kc/s	52.10 m	0,6 kW
YNDG	5990 kc/s	50.08 m	1,0 kW fra ¼ 50
YNMM	6017 kc/s	49.86 m	0,3 kW
YNAS	6300 kc/s	47.62 m	1,0 kW
YNWW	6450 kc/s	46.51 m	0,4 kW
YNWA	6464 kc/s	46.41 m	0,4 kW
YNBH	6550 kc/s	45.80 m	0,8 kW
YNVP	6760 kc/s	44.38 m	0,8 kW
YNOW	6850 kc/s	43.81 m	0,6 kW
YNEQ	6963 kc/s	43.38 m	0,2 kW
YNXA	7236 kc/s	41.46 m	0,1 kW
YNAO	7442 kc/s	40.32 m	0,2 kW
YNFT	7500 kc/s	40.00 m	0,2 kW
YNLAT	7625 kc/s	39.34 m	0,4 kW
YNDG	7660 kc/s	39.17 m	0,3 kW
YNSO	7860 kc/s	38.17 m	0.08 kW
YNMG	8007 kc/s	37.46 m	0,1 kW
YNWW	8150 kc/s	36.74 m	0,4 kW
YNXW	8192 kc/s	36.63 m	0,1 kW
HTX1	8400 kc/s	35.71 m	0,25 kW
YNCHA	8440 kc/s	35.55 m	0,1 kW

YNVP — LA VOZ DE NICARAGUA
Address: Radiodifusora YNVP "La Voz de Nicaragua", Managua. D. N.
Daily Programmes in *Spanish:* 12.00-15.00, 17.00-20.00 and 22.00-04.00.
Announcement: "Esta es "La Voz de Nicaragua" emisora afiliada a la Cadena Panamerican de la NBC, en Managua".
Interval-Signal: Every quarter of an hour the notes G-C-E-G.

YNWW — RADIO SPORT, GRANADA
Daily Programmes in *Spanish* from 13.00-15.00, 18.00-21.00 and 23.00-04.00.
YNBH — RADIO PANAMERICANA, MANAGUA
Daily Programmes in *Spanish* from 13.00-15.00, 17.00-22.00, 03.45-04.30.
Announcement: Aqui YNBH, Radio Panamericana en Managua, Nicaragua, Centro America.
Interval-Signal: Three strokes on Xylophone.
Message to Listeners: Reports are verified by letter.
YNOW
LA VOZ DE LA AMERICA CENTRAL, MANAGUA
Address: 2 a Calle Noreste No. 607.
Daily Programmes in *Spanish* from 13.00-16.00, 17.00-20.00 and 21.00-05.00.
YNJAT — LA VOZ DEL AIRE, LEON
YNMM — RADIO CONTINENTAL, MANAGUA
Daily Programmes in *Spanish:* 00.00—02.00.
YNWA — RADIO MUNDIAL, MANAGUA
YNAO — ECOS DEL AIRE, MASAYA
YNDG — RADIO COLONIAL,, LEON
Daily Programmes: 23.00—03.00.
Announcement in Spanish and English.
YNXW — RADIO AMERICA, MANAGUA
Address: 2da, Avenida Sureste 409, Managua.
YNCHA — LA VOZ DE CARAZO, DIRIAMBA
HTX1 — RADIO MANAGUA, MANAGUA
Daily Programmes in *Spanish* from 01.00-04.00.
YNFT — LA VOZ DE LA SULTANA, GRANADA
Daily Programmes in *Spanish* from 22.00-02.00
YNLAT — LA VOZ DEL MOMBACHO, GRANADA
Daily Programmes in *Spanish* from 22.00-03.15.
Message to Listeners: Reports are welcomed and answered by QSL-letters.
YNEQ — LA VOZ DE LA VICTORIA
Address: Apartado No. 3-3-8.
Daily Programmes in *Spanish: Weekdays:* 13.00-16.00, 17.00-20.00, 21.00-04.00. *Sundays:* 15.00-02.00.
YNAS — ONDAS DEL XOLOTLAN, MANAGUA
Daily Programmes in *Spanish* from 12.00-13.45, 15.00-17.00, 18.00-20.00 and 23.00-03.00.
YNXA — ONDAS CULTURALES, MASAYA
YNMG — LA VOZ DE JINOTEPE, JINOTEPE
Daily Programmes: 17.30-19.00 and 01.00-02.30.
YNSO — RADIO LA PATRIA, MANAGUA

REP. PANAMA

Stations:

HP5K	6005 kc/s	49.96 m	0,8 kW
HP5B	6030 kc/s	49.75 m	0,25 kW
HORT	6060 kc/s	49.50 m	1 kW
HP5H	6122 kc/s	49.00 m	0,5 kW
HOQQ	6140 kc/s	48.86 m	0,25 kW
HOB	6200 kc/s	48.39 m	0,30 kW
HOLA	9505 kc/s	31.56 m	0,25 kW
HP5J	9607 kc/s	31.23 m	0,5 kW
HOJA	9642 kc/s	31.02 m	0,3 kW
HP5A	11700 kc/s	25.64 m	0,5 kW
HOX-FM	43300 kc/s	6.47 m	1,0 kW

HP5J — LA VOZ DE PANAMA
Address: La Voz de Panama, Servicio Publico de Radio, Box 34, Panama City.
Daily Programmes in *English* and *Spanish* from 11.00-04.00.
Announcement: In *English:* "Your pioneer station "The Voice of Panama" HP5J and HP6J, 31 and 220 metres simultaneously transmitting from the City of Panama, Rep. of Panama."
Message to Listeners: We have a vast short wave listener audience. We welcome all reports from DX-Fans, which will all be verified by QSL card.

HP5K — LA VOZ DE LA VICTOR
Address: Cadena Panamena de Radiodifusion, Apartado 33, Colon.
Daily Programmes in *Spanish* and *English:* 11.30-03.35. In *English:* 13.10-13.30, 20.00-21.00: Music; 21.30-22.45: Features.
Announcement: In *English:* "These are stations HOK, HP5K and HON of the Panama Broadcasting System, operating in the City of Colon, Republic of Panama."
Message to Listeners: Reports are answered by QSL card.
HP-5H LA VOZ DEL PUEBLO, EMISORAS HOY
Address: Apartado 1045, Panama City.
Daily Programmes in *Spanish* from 12.00-03.00. In *English* from 03.00-04.09.
HOLA — RADIO ATLANTICO
Address: Apartado 444, Colon.
Daily Programmes in *English* and *Spanish* from 12.00-04.15.
Message to Listeners: Reports are answered by QSL card.
HP-5A CADENA PANAMENA DE RADIODIFUSION, PANAMA CITY
Address: Apartado 954, Panama City.
Daily Programmes in *Spanish* from 11.30-03.35.
HP-5B — RADIO MIRAMAR
Address: Apartado 910, Panama City.
Daily Programmes in *English* and *Spanish* from 12.00-03.30.
Message to Listeners: Reports are answered by QSL cards.
HOJA — RADIO PROVINCIAS, CHITRE
Daily Programmes in *Spanish* from 13.00-03.00.
HOQQ — RADIO NACIONAL
Address: Apartado 552, Panama City.
Daily Programmes in *Spanish:* 13.00-15.00, 18.00-23.00, 03.00-04.30.
HOB — EMISORAS LA RED PANAMERICANA, PANAMA CITY
Daily Programmes in *Spanish* from 11.30-03.30.
HORT — RADIO BALBOA, PANAMA CITY
Address: Avenida Ecuador 9, Panama City.
Daily Programmes in *Spanish:* 11.30-03.30.

REP. EL SALVADOR

Stations:

HUB	4780 kc/s	62.76 m	0,3 kW
YSCP	5187 kc/s	57.83 m	1 kW
YSWW	6000 kc/s	50.00 m	1 kW
YSV	6070 kc/s	49.42 m	0,5 kW
YSPB	6150 kc/s	48.78 m	0,35 kW
YSHQ	6175 kc/s	48.58 m	1 kW
YSMA	6175 kc/s	48.58 m	1 kW
YSUA	6250 kc/s	48.00 m	1 kW
YSR	6265 kc/s	47.88 m	1 kW
YSCP	6300 kc/s	47.61 m	1 kW
YSI	7215 kc/s	41.58 m	0,1 kW
YSO	7270 kc/s	41.27 m	1 kW
YSUN	7640 kc/s	39.27 m	1 kW
YSA	9490 kc/s	31.61 m	1 kW
YSLL	9540 kc/s	31.44 m	1 kW

HUB — DIFUSORAS NACIONALES (Cultural) Govt.
Address: Difusoras Nacionales YSS, Alma Cuscatleca y HUB de la Direccion General de Comunicaciones Electricas, San Salvador.
Daily Programmes (Cultural programmes) in *Spanish* from 18.00-19.00 and 00.00-04.00
YSCP — EMISORAS DEL PALACIO DE GOBIERNO
Address: Press Department of the President of El Salvador, San Salvador.
Daily Programmes in *Spanish:* from 16.00-17.00, 23.00-24.00 and 01.00-02.00.

YSWW — LA RADIO DEL PUEBLO
Address: Santa Ana 4a Calle Poniente. Ciudad de Santa Ana.
Daily Programmes in *Spanish* from 13.00-15.00,18.00-20.00 and 00.30-04.00.
Message to Listeners: Reports are answered by QSL cards.

YSUA — RADIO MIL CINCUENTA
Address: La Avenida Sur No. 50, S. Salvador.
Daily Programmes in *Spanish* from 12.00-05.00.
Message to Listeners: Reports in English are answered by Q.S.L. letter.

YSR — LA VOZ DE EL SALVADOR
Address: 6a Ave. Norte No. 8, San Salvador.
Daily Programmes in *Spanish* from 17.00-05.00.

YSO — LA VOZ DE LA DEMOCRACIA
Address: La Voz de la Democracia Calle Oriento 28 Apartado 4-8-4, San Salvador.
Daily Programmes in *Spanish* from 17.00-20.00, 23.00-04.00.
Message to Listeners: Reports answered by QSL-cards.

YSHQ — LA VOZ DEL PROGRESO, SAN MIGUEL
Address: Radioprogramas de El Salvador, 17 Calle Oriente, San Miguel.
Daily Programmes in *Spanish* from 16.00-19.00, 23.00-04.00.

YSPB — LA VOZ DE CUSCATLAN, SAN SALVADOR
Address: Calle Ruben Dario 46.
Daily Programmes in *Spanish* from 12.30-05.00.

YSLL — SAN SALVADOR EN EL AIRE
Address: Radio Corporacion Gonzalez, 11 Av. sur 21, San Salvador.
Daily Programmes in *Spanish* from 17.00-04.00.
Announcement: YSLL: "San Salvador en El Aire" every quarter of the hour.
Message to Listeners: Reports are answered by QSL cards.

YSV — RADIO VICTORIA, SAN SALVADOR

YSUN — RADIO UNION NACIONAL, SAN SALVADOR
Daily Programmes in *Spanish* from 17.00-04.03.

YSMA — LA VOZ DE OCCIDENTE, SANTA ANA
Daily Programmes in *Spanish* from 12.00-18.30 and 23.30-03.34.

YSI — RADIO INTERCONTINENTAL, SAN SALVADOR
Address: Colonia la Rabida, San Miguelito.
Daily Programmes in *Spanish* from 18.00-20.00 and 23.30-04.00.

YSA — RADIO CULTURA, SANTA ANA

TRINIDAD

Address: Trinidad Broadcasting Co., Ltd., Broadcasting House, Port of Spain, Trinidad. B. W. J.
Stations: Radio Trinidad.

VP4RD	9625 kc/s	31.17 m	0.5 kW

Daily Programmes on *Weekdays* from 11.00-13.00, 15.30-18.00 and 20.00-03.00. *Sunday:* 10.00-18.00 and 20.00-03.00.
Announcement: "This is Radio Trinidad".
Interval-Signal: Harp Music.
Message to Listeners: Reports are checked against Station Logs and QSL cards issued on receipt of I. R. C.

SOUTH AMERICA

ARGENTINA

Population: 16.500.000. **Listeners:** 1.500.00.
Stations:

LRS	3430 kc/s	87.46 m	5 kW
LRS1	6065 kc/s	49.46 m	5 kW
LRX1	6120 kc/s	49.02 m	10 kW
LRM	6180 kc/s	48.54 m	10 kW
LRS2	9315 kc/s	32.21 m	10 kW
LRY	9455 kc/s	31.75 m	40 kW
LRX	9660 kc/s	31.06 m	7 kW
LRA1	9690 kc/s	30.96 m	10 kW
LRT	11840 kc/s	25.34 m	5 kW
LRS	11880 kc/s	25.25 m	10 kW
LPC	14825 kc/s	20.22 m	0,5 kW
LRU	15290 kc/s	19.62 m	5 kW
LRA5	17720 kc/s	16.93 m	10 kW

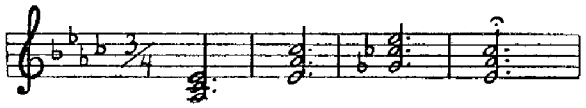
LRA1 — LRA5 — LRA 7 RADIO DEL ESTADO
Address: LRA Radio del Estado, Palacio de Correos y Telecommunicaciones, Ayacucho 1556, Buenos Aires.
Leading Personalities: Ministro de Communicaciones: Mr. Oscar M. L. Nicolini. Secretario de Communicaciones: Mr. Pedro Gagliardo. Director for Broadcasting: Mr. Humberto A. Rosi. Sub-Director: Dr. Ramon Mayo.
Daily Programmes in *Spanish.*
On LRA1 from 13.30-03.00.
News: 13.30, 16.30, 21.30 (Editorials), 23.30 (Official), 01.00. *Music:* 17.00, 22.00, 00.00. *Symphony Concert:* 01.30-03.00 (exc. Sat.), 15.00 (Sun.), 23.00 (Sun.) — Opera: 17.00 (Sun).
On LRA5. (Fridays only) from 20.00-20.30: "To the American people" every six minutes in Spanish, English, French and Portuguese.
On LRA7 from 12.00-13.00, 20.30-22.00.
Announcement: "LRA y LRA1 Radio del Estado de Buenos Aires. Republica Argentina".
Interval-Signal: "Marcha patriotica" is played at opening and closing down.
Message to Listeners: Reports are answered by QSL cards.

SERVICIO RADIOFONICO INTERNACIONAL (S.R.I.), BUENOS AIRES

Founded by Radio El Mundo, Radio Splendid and Radio Belgrano.
Leading Personalities: Director: Mr. Abel Orlando Figun. Director of Programmes: Mr. José Oscar Landi.
Address: Calle Belgrano 1841, Buenos Aires.
Stations: LRS 11880 kc s — LRU 15290 kc/s — LRY 9455 kc/s.
Daily Programmes. (News, Talks, Music.) —
In Spanish: Daily 02.00 (Sat. 03.00)-06.00 on 15290 kc/s. Weekd. 20.00-21.00 on 11880 kc/s. Weekd. 20.45-21.45 on 9455 kc/s to Latin America.
In English: Daily 22.30-01.30 on 11880 kc/s to Gt. Britain. (News 22.33, 00.30, 01.22, Weekly News Review), 02.15-06.00 on 9455 kc/s to N. America. (News: 02.20, 03.00, 04.00, 05.00 Weekly Newsreel 05.52).
In French: 21.00-22.30 on 11880 kc/s to Europe and Africa.
In Italian: 22.15-22.50 on 9455 kc/s to Italy. (News: 22.45).
In Portuguese: 15.00-18.00, 01.30-03.30 on 11880 kc/s to Brazil. (News 15.05, 15.55, 17.00, 17.52, 01.35, 02.30).
Announcement: "You are listening to the International Broadcasting Service SRI in Buenos Aires, Argentina."
Interval-Signal: A 5 notes chime.
Message to Listeners: Reports are answered by QSL cards and must be addressed to the International Division of the resp. broadcasting company. The programmes are changed every month, but we are happy to send our programmes to everybody interested.

LRX —LRXI — LRU — RADIO EL MUNDO
Address: Radio El Mundo, 555 Calle Maipu, Buenos Aires.
Leading Personalities: President for Editorial Haynes Lda. (Owner): Sr. Harry Wesley Smith. Director of Programmes: Mr. Raul J. A. Nicoline, Manager: Mr. Dante A. Aloé.
Daily Programmes in *Spanish:*

On LRX from 10.30-04.00 *on LRX1* from 14.00-17.00, 21.00-02.00 (Sat. 21.00-02.45 on 6120 kc/s).
Highlights of Programmes:
Symphony Concert: 23.45 Sundays and 00.45 Fridays.
Announcement: "LR 1 Radio El Mundo de Buenos Aires con sus estaciones de onda corta LRX y LRX 1", y nuestra cadena de emissoras.
Interval-Signal:



Message to Listeners: Reports from all over the world, will be verified. We are always grateful for reports of our programmes and reception quality. Reports are answered by QSL cards".

LRY — RADIO BELGRANO
Address: Radio Belgrano, Ayacucho y Posedas. Buenos Aires.
Leading Personalities: President: Mr. Jaine Yankelevich. General Manager: Mr. Juan E. Cossio. Director: Mr. Pablo O. Valle. Director of Programmes: Mr. Iguacio Demaria.
Daily Programmes:
09.45-20.42 in Spanish. — 20.45-21.45 in Spanish to America. (S. R. I.). — 21.48-22.12 in Spanish. — 22.15-22.45 in Spanish and Italian to Italy. (S. R. I.) — 22.48-02.12 in Spanish. — 02.15-06.00 in English to N. America. (S.R.I.).
Announcement: "LR3, Radio Belgrano y sus estaciones de onda corta LRY con ZP5 de Encarnacion Paraguay y la Primera Cadena Argentina de Broadcasting."
Interval-Signal: Tunes on Vibraphone and Gong.
Message to Listeners: Reports are answered by QSL-cards.

LRS, LRS1, LRS2 — RADIO SPLENDID
Address: Radio Splendid, Av. Belgrano 1841, Buenos Aires.
Leading Personalities: President: Engineer Antonio C. Devoto.
Daily Programmes:
On 11880 kc/s.
11.00-13.00 in Portuguese. — To Brazil. 15.00-18.00 in Portuguese. — To Brazil. 20.00-21.00 in Spanish. — To Europe. 21.00-22.30 in French. (S. R. I.). — To Europe, Africa. 22.30-01.30 in English. (S. R. I.). — To Gt. Britain. 01.30-03.30 in Portuguese. (S. R. I.) —To Brazil.
On 9315 kc/s, 6065 kc/s and 3430 kc/s from 13.00-04.00 *in Spanish.*
Announcement: LR4 Radio Splendid de Buenos Aires, con LRS y LRS1 y LRS2 ondas cortas y la Red Argentina de Emisoras Splendid.
Interval-Signal: Gong.
Message to Listeners: Reports are answered by QSL letter.

LRM — RADIO ACONCAGUA
Address: Radio Aconcagua, Avenida Civit 460, Mendoza.
Daily Programmes in *Spanish* from 10.00-04.00.
Announcement: "LRM y LW2 Radio Aconcagua de Mendoza."
Message to Listeners: Reports are verified by letter.

LRT — RADIO INDEPENDENCIA, TUCUMAN
Daily Programmes in *Spanish* from 12.00-17.00, 22.30-04.00.

BRAZIL

Population: 50.000.000. **Listeners:** 2.500.000.
Radiopublications: Antenna.
Stations:

ZYM8	4785 kc/s	62.70 m	0,5 kW
	4825 kc/s	62.18 m	0,5 kW
ZYU8	4845 kc/s	61.92 m	0,5 kW
PRC5	4865 kc/s	61.66 m	2 kW
PRF6	4895 kc/s	61.28 m	0,25 kW
ZYS8	4955 kc/s	60.54 m	1 kW
PRK5	6000 kc/s	50.00 m	5 kW
PRA8	6016 kc/s	49.87 m	5 kW*
ZYK2	6085 kc/s	49.30 m	64 kW
ZYB7	6095 kc/s	49.22 m	25 kW
ZYN6	6105 kc/s	49.14 m	5 kW
PRL9	6155 kc/s	48.75 m	50 kW
PST2	7410 kc/s	40.49 m	1 kW
ZYK3	9565 kc/s	31.36 m	64 kW
PYZ2	9290 kc/s	32.28 m	2,5 kW
ZYC8	9610 kc/s	31.22 m	25 kW
PRL7	9720 kc/s	30.86 m	50 kW
PRL4	9770 kc/s	30.70 m	1 kW
PRL8	11720 kc/s	25.60 m	50 kW
ZYB8	11765 kc/s	25.50 m	25 kW
ZYK3	11825 kc/s	25.37 m	64 kW
ZYK2	15145 kc/s	19.82 m	64 kW
ZYB9	15150 kc/s	19.80 m	25 kW inactive
ZYN7	15165 kc/s	19.77 m	5 kW
PRK9	15190 kc/s	19.75 m	22 kW
ZYC9	15370 kc/s	19.52 m	5 kW

Three FM-transmitters (Radio Nacional).
Television in 1951.
* to be increased to 25 kW.

PRL7 — PRL8 — PRL9: RADIO NACIONAL
Address: Radio Nacional, Empresa Radio Nacional, Praca Maua No. 7, Ed. da "A Noite", Rio de Janeiro.
Leading Personalities: General Manager: Mr. Armando C. Costa, Administrator: Mario M. Neiva, Director of Programmes: Victor Costa P. Geraldine, Chief-Engineer: Mr. Severiano Justi, Administrator: Jair Picaluga.
Daily Programmes:
PRL7 10.00-02.45
PRL8 02.45-03.35
PRL9 occasionally in parallel with PRL7
In *Portuguese* on 9720 kc/s: 10.00-02.45
News: 11.00, 13.00, 15.55, 20.00, 22.30 (Official), 01.55 (Commentary), 03.30.
In *Spanish* on 9720 kc/s: Daily 19.45-20.00, 02.30-02.45 (exc. Sat., Sun.)
In *English* to U. S. A. on 11720 kc/s: 02.45-03.00 (exc. Sat., Sun.)
Interval-Signal: First movement of the Brazilian melody: "Luar do Sertao" played by vibraphone.
Message to Listeners: We always answer QSL card and by letter.

PRC5 — RADIO CLUBE DE PARA, BELEM, PARA
Daily Programmes in *Portuguese.*
Weekdays: from 09.00-17.00 and 19.00-01.30.
Sundays: from 09.00-01.30.
Announcement: "PRC5, Radio Clube de Para".
Interval-Signal: "Poema", composed by Fugick.
Message to Listeners: All reports answered by QSL cards.

PRF5 — RADIO BARÉ LTDA, ESTADO DO PARA, MANAOS AMAZONAS
Daily Programmes in *Portuguese* from 23.30-02.30.

PRK5 — PRK9 — RADIO INCONFIDENCIA,
Address: Governo do Estado de Minas Gerais, Belo Horizonte.
Leading Personalities: Director General: Dr. Ney Octaviani Bernis. Administrator: Mr. Saint Clair Valadares Junior.
Daily Programmes in *Portuguese* from 10.00-03.00.
Announcement: "PRI3, PRK5 and PRK9 Radio Inconfidencia de Minas Gerais, Belo Horizonte, Brazil".

PRA8 — RADIO CLUBE DE PERNAMBUCO, RECIFE
Address: Avenida Cruz Cabuga 394, Recife.
Daily Programmes in *Portuguese* from 11.00-02.00.
Announcement: Ouvem PRA8 Radio Clube de Pernam-

buco, Brasil. transmitindo simultaneamente em ondas medias e curtas nas frequencias de 720 e 6015 kilociclos".
Interval Signal: 3 strokes on electric gong.
Message to Listeners: Reports are verified by QSL-card and photos of stations.

PYZ2 — DEPARMENTO FEDERAL DE SEGURANÇA PUBLICA
Address: Chefatura de Policia, Rua da Relaçao S/N, Rio de Janeiro.
Daily Programmes: 23.00-03.00.
Message to Listeners: Reports answered by QSL card and by radio.

ZYK2 — ZYK3 — RADIO JORNAL DO COMMERCIO
Radio Publications: Two daily newspapers with special sections for radio. Largest newspapers in the North of Brazil: Jornal do Commercio and Diario da Noite.
Address: Radio Jornal do Commercio, Rua Marques do Recife, Recife, Pernambuco, Brazil.
Leading Personalities: Director: F. Pessoa de Queiros, Program Director: Teofilo de Barros Filho.
Daily Programmes in *Portuguese* and *English* from 11.00-02.00.
On 15145 kc/s: 11.00-19.00. — On 9565 kc/s: 11.00-02.00. — On 6085 kc/s: 21.00-02.00.
Highlights of Programmes in *Spanish: Daily* 11.00-01.00: Programmes from the auditorium, with artists of international renown. — In *English: Monday* to *Saturday* 01.30-01.40: Programme: "About Brazil" with talks and music, broadcast especially for listeners in North America and Far East. — *Sunday* 20.30-21.00:"Brazil calling" with music and replies to letters from lisetners; broadcast especially for listeners in Europe.
Announcement: "Pernambuco, Brazil, speaking to the world".
Interval-Signal: Gong sounding three times on three notes with interval of three seconds between each note.
Message to Listeners: "Our programmes in English are broadcast especially for English speaking listeners in all parts of the world. Letters and reception reports are gratefully received and promptly confirmed. Reception reports are verified over the air, by QSL letter and card."

ZYB7 — RADIO DIFUSORA SAO PAULO
ZYB8 — ZYB9 — RADIO TUPI DE SAO PAULO
Address: Avenida Brig. Luis Antonio 670, Sao Paulo.
Daily Programmes in *Portuguese:*
ZYB9: 10.00-11.00, 14.00-17.05, 21.00-02.50.
ZYB8 and ZYB7: 10.00-11.00, 14.00-02.50.
Message to Listeners: Reports answered by QSL cards.

ZYN6 — ZYN7 — CEARA RADIO CLUBE, FORTALEZA
Address: Emissoras Associadas de Fortaleza, Edificio Diogo 8° e 9° Andares, Caixa Postal 222, Fortaleza, Ceara.
Leading Personalities: Director General: Paulo Cavrial.
Daily Programmes:
On 6105 kc/s: In *Portuguese* daily from 14.00-17.00 and 21.00-00.30.
On 15165 kc/s International Programme from 19.00-21.00. 19.00-19.45 Music — Announcements in Portuguese, English, French, Spanish and Swedish (not Fri., Sat., Sun.). 19.45 or 20.00: English. 20.15-21.00: As 19.00.
Message to Listeners: Reports are answered by QSL cards.

ZYC8 — RADIO TAMOI — ZYC9 — RADIO TUPI — PRF6 — RADIO BARÉ
Address Radio Tamoi and Radio Tupi: Avenida Venezuela 43, Rio de Janeiro. — Radio Baré, Manaos.
Leading Personalities: *Radio Tamoi:* Director General: Dr. Carlos Rizini, Director of Programmes: Mr. Paulo Roberto de Grammont. *Radio Tupi:* Director General: Dr. Carlos Rizzini. Director of Programmes: Mr. José Mauro.
Daily Programmes in *Portuguese:*
ZYC8 from 10.00-04.00 — ZYC9 from 10.00-02.30 — PRF6 from 23.30-01.35.
Announcement: *Radio Tamoi:* "Estao ouvindo à Rádio Tamoio do Rio de Janeiro a emissora da familia Brasiliera ZYC8 ondas curtas de 31.22 mts. freq. de 9610 kcls e PRB7 900 kcls.
Radio Tupi: "PRG3 Radio Tupi do Rio de Janeiro, "O CACiQUE DO AIR"."
Message to Listeners: Reports are answered by QSL cards.

PRL4 — RADIO MINISTERIO DE EDUCAÇAO
Address: Servicio de Radiodifusao Educativa Phaça da Republica 141-A, Rio de Janeiro.
Daily Programmes in *Portuguese:* 17.00-02.00.
Announcement: PRA2 — PRL (4 ou 5) — Radio Ministerio de Educaçao, Rio de Janeiro — Brasil.
Message to Listeners: Reports are answered by QSL cards.

ZYU8 — RADIO DIFUSORA DE TERESINA, LTDA.
Address: Rua Areolino de Abreu 1157, Teresina, Est. Piaui.
Leading Personalities: General Manager: Alcenor Neves Madeira, Administrator: Dr. Francisco Pires de Cayoso E. Almendra.
Daily Programmes in *Portuguese:* 14.00-16.00, 19.30-01.30. *News:* 01.00, 01.30 (exc. Sun.)
Announcement: "Radio Difusora de Teresina, em Teresina Capital do Estado Piaui, Brazil, operando simultaneamente em 1370 e 4845 quilociclos ondas de 219 e 61.91 metres."
Interval-Signal: Three notes on Gong.
Message to Listeners: Reports are answered by QSL cards.

ZYS8 — RADIO DIFUSORA AMAZONAS
Address: Rua Joaquim, Sarmento 100, Manaos, Amazonas.
Daily Programmes in *Portuguese:* 20.00-02.30.
Message to Listeners: Reports are answered by QSL cards.

ZYE7 — RADIO ECUCADORA DE PARNAIBA
Address: Avenida Jaime Rosa 1190, Parnaiba (Piaui).
Daily Programmes in *Portuguese:* 20.30-03.00.
Message to Listeners: Reports are answered by QSL cards.

ZYM8 — RADIO RIBAMAR S. A., ESTADO DO PIAUI, SAO LUIZ
Daily Programmes in *Portuguese:* 20.00-02.00.

PST2 — RADIO ANCHIETA EMISSORA DO PLANALTO, SAO PAULO
Daily Programmes in *Portuguese:* 18.30-20.30.

BOLIVIA

Population: 3.750.000. **Listeners:** 150.000.

CP5	5973 kc/s	50.24 m	0,25 kW
CP18	6070 kc/s	49.42 m	0,25 kW
CP2	6110 kc/s	49.10 m	1 kW
CP15	6120 kc/s	49.02 m	1 kW
CP12	6150 kc/s	48.78 m	0,25 kW
CP37	6190 kc/s	48.47 m	0,25 kW
CP24	9420 kc/s	31.84 m	0,50 kW
CP21	9500 kc/s	31.58 m	0,5 kW
CP38	9505 kc/s	31.56 m	5 kW
CP49	9886 kc/s	30.35 m	0,50 kW

CP38/CP2 — RADIO NACIONAL DE BOLIVIA LA PAZ
Address: Casilla 596, La Paz.
Daily Programmes in *Spanish* from 12.00-14.00, 16.00-18.00 and 20.00-04.00.
Thursdays, Saturdays and Sundays special programmes with famous artists.
Message to Listeners: Reports are answered by QSL cards.

CP49 — RADIO MUNICIPAL, LA PAZ
Daily Programmes in *Spanish:* 12.00-14.00, 16.00-17.00 and 22.20 03.00.
CP12 — RADIO FIDES, LA PAZ
Daily Programmes in *Spanish:* 16.00-18.00 and 22.00-24.00
CP37 — RADIO ORURO, ORURO
Daily Programmes in *Spanish:* 01.30-04.00.
CP5 — RADIO ILLIMANI, LA PAZ (Ministry of Education)
Address: Casilla 637, La Paz.
Daily Programmes in *Spanish:* 12.00-14.00, 15.30-18.00, 19.00-04.00.
CP15 — RADIO EL CONDOR, LA PAZ
Address: Casilla 846, La Paz.
Daily Programmes in *Spanish:* 12.00-14.00, 16.00-18.00, 23.00 03.00. *Music* 01.00-03.00.
Message to Listeners: Reports answered by QSL letter.
CP21 — RADIO LA PLATA, SUCRE
CP24 — RADIO ABAROA, LA PLATA
Daily Programmes in *Spanish:* 11.00-03.00.

CHILE

Population: 10.500.000. **Listeners:** 550.000.

Stations:

CE8AA	5800 kc/s	51.72 m	0.25 kW
CE-615	6150 kc/s	48.78 m	5 kW
CE-622	6220 kc/s	48.23 m	5 kW
CE-625	6250 kc/s	48.00 m	5 kW
CE-920	9200 kc/s	32.54 m	5 kW
CE-960	9585 kc/s	31.30 m	1,2 kW
CE-970	9728 kc/s	30.84 m	1 kW
CE-1173	11730 kc/s	25.58 m	5 kW
CE-1174	11740 kc/s	25.55 m	5 kW
CE-1185	11850 kc/s	25.32 m	1 kW
CE-1190	11900 kc/s	25.21 m	1 kW
CE-1180	11998 kc/s	25.00 m	1 kW

CE-1190, CE-970, CE-615 — LA VOZ DE CHILE PARA TODA AMERICA
CE601-CE482 — LA VOZ DEL NORTE
Address: Radios La Cooperative Vitalicia, Compania Chilena de Communicaciones S. A., Calle Condell 1227, Post Box 1627, Valparaiso. — *Address* CE601 and CE482: Cia Chilena de Communicaciones, Autofagasta.
Daily Programmes in *Spanish:* 11.30-04.10.
All stations function as a network at 11.30-13.00, 17.00-18.00 and 23.00-04.00 — and separately between these periods.
Announcement: All stations open with Elgar's march: "Land of Hope and Glory".
Interval-Signal: Every half hour automatic gong plays the first 5 notes of Elgar's march followed by announcement.
Message to Listeners: Reports are verified by QSL-cards.
CE622/CE1173 — RADIO SOCIEDAD NACIONAL DE MINERIA
Address: Radio Nacional de Mineria, Sociedad Chilena Radiodifusora S. A. Casilla 2626, Santiago de Chile.
Daily Programmes in *Spanish:*
Weekdays from 11.30-04.00.
Sundays from 13.30-19.00 and 21.30-04.00
Announcement: "CB106 y CE622 Radio Sociedad Nacional de Mineria."
Message to Listeners: Reports are verified by letters.
CE-960 — RADIO LA AMERICANA, SANTIAGO DE CHILE
Address: Casilla 13155 Correo 15, Santiago de Chile.
Daily Programmes in *Spanish* from 23.00-05.00.
CE-1174 — RADIO NUEVO MUNDO, SANTIAGO
Address: Radio Nuevo Mundo, Sociedad Radiodifusora Nuevo Mundo Ltd., Santiago de Chile.
Daily Programmes in *Spanish* from 11.00-05.00.
CE-1185 — RADIO EL MERCURIO, Santiago de Chile.
Address: Sociedad Radiodifusora La Mercantil, Calle Compania 1228, Santiago de Chile.
Daily Programmes in *Spanish* from 12.00-04.00.
CE-920, CE-1227 — MILITAR AUSTRAL PUNTA ARENAS
Daily Programmes in *Spanish* from 00.00 03.00 (Sat. 03.30)
CE-8AA-CE-625-CE-1180 — RADIO SOCIEDAD NACIONAL DE AGRICULTURA, SANTIAGO, AND CE-604: ANTOFAGSTA
Address: Cacilla 40-D, Santiago.
Daily Programmes in *Spanish* from 11.00-13.00 and 21.00-04.00.
Message to Listeners: Reports are verified by QSL-cards.

COLOMBIA

Stations:

HJGB	4780 kc/s	62.76 m	2,5 kW
HJAB	4785 kc/s	62.70 m	1 kW
HJED	4825 kc/s	62.18 m	1 kW
HJKE	4835 kc/s	62.05 m	2,5 kW
HJGF	4847 kc/s	61.89 m	2,5 kW
HJFA	4866 kc/s	61.64 m	1 kW
HJFH	4874 kc/s	61.55 m	0,75 kW
HJDP	4885 kc/s	61.41 m	5 kW
HJCH	4895 kc/s	61.29 m	3 kW
HJAG	4903 kc/s	61.20 m	1 kW
HJAP	4931 kc/s	60.85 m	1 kW
HJCW	4945 kc/s	60.66 m	1 kW
HJAE	4965 kc/s	60.42 m	1 kW
HJKD	6000 kc/s	50.00 m	5 kW
HJCX	6018 kc/s	49.85 m	5 kW
HJEX	6054 kc/s	49.56 m	2,5 kW
HJAF	6055 kc/s	49.55 m	0,75 kW
HJDG	6069 kc/s	49.42 m	0,5 kW
HJFK	6103 kc/s	49.16 m	2,5 kW
HJDE	6145 kc/s	48.82 m	5 kW
HJKJ	6160 kc/s	48.70 m	5 kW
HJCT	6200 kc/s	48.39 m	10 kW
HJFB	6225 kc/s	48.19 m	4,5 kW
HJCF	6240 kc/s	48.09 m	0,75 kW
HJKY	9600 kc/s	31.25 m	5 kW
HJCB	9630 kc/s	31.15 m	5 kW
HJAI	9668 kc/s	31.03 m	5 kW
HJAP	9890 kc/s	30.33 m	0,75 kW
HJCQ	11680 kc/s	25.68 m	3 kW
HJCT	11850 kc/s	25.32 m	2,5 kW
HJCT	17730 kc/s	16.92 m	3 kW

HJCT — HJKY RADIODIFUSORA NACIONAL, Bogota
Address: Ministerio de Educacion, Bogota.
Daily Programmes in *Spanish:* 15.00-19.00 and 22.00-04.15.
Announcement: "Estas son las estaciones de la Radiodifusora Nacional de Colombia ondas cortas en las bandes de 30.48 y 60 metros, y onda larga 1200 kc/s 250 metros."
Interval-Signal: Carillon.
Message to Listeners: Reports are answered by QSL cards.
HJGB — RADIO SANTANDER, BUCARAMANGA
Address: Apartado 37, Bucaramanga.
Daily Programmes in *Spanish* from 12.00-14.00, 15.00-19.00 and 23.00-03.00.
Message to Listeners: Reports are answered by QSL cards.
HJAB — EMISORAS UNIDAS
Address: Apartado Nacional 324, Barranquilla.
Daily Programmes in *Spanish* from 12.00-04.00.
Interval-Signal: At opening and close down: The National Anthem "Las Colondrinas".
HJED — LA VOZ DEL VALLE, CALI
Address: Calle 11 No. 4-52 Cali.
Daily Programmes in *Spanish* from 00.00-03.30.

All times are indicated in G.M.T.

Message to Listeners: Reports answered by QSL letter.

HJCA-HJCB — RADIO CHRISTAL, BOGOTA
Address: Apartada postel 1636, Bogota.
Daily Programmes in *Spanish* from 12.00-04.00.
News daily at 12.00, 18.00 and 23.00.
Interval-Signal: At opening and close down "Marcha Christal". Every quarter hour: Gong.
Message to Listeners: Reports are verified by QSL card and photos of Colombian cities.

HJEX — RADIO PACIFICO, CALI
Address: Apartado Nacional 559, Cali.
Daily Programmes in *Spanish* from 11.00-03.30.
Message to Listeners: Reports are answered by QSL cards.

HJCH — LA VOZ DE LA VICTOR, BOGOTA
Address: Apartado 565, Bogota.
Daily Programmes in *Spanish* from 23.00-03.00.

HJAP — RADIO COLONIAL, CARTAGENA
Address: Calle del Porvenir-Cartagena.
Daily Programmes in *Spanish* from 12.30-19.00 and 22.00-03.30.

HJCW — RADIO SUR AMERICA, BOGOTA
Address: Correro 8 a No. 11-57, Bogota.
Daily Programmes in *Spanish* from 12.00-16.00, 21.00-04.15.

HJAE — EMISORA FUENTES, CARTAGENA
Address: P. O. Box 31, Cartagena.
Daily Programmes in *Spanish* from 21.00-03.30.

HJCF — ONDAS BOGOTANAS, BOGOTA
Address: Apartado 312, Bogota.
Daily Programmes in *Spanish* from 22.00-04.00.
Message to Listeners: Reports answered by QSL letter.

HJFK — LA VOZ AMIGA, PEREIRA
Daily Programmes in *Spanish* from 11.45-03.20.
Message to Listeners: Reports answered by QSL letter.

HJFB — RADIO MANIZALES, MANIZALES
Address: Apartado 175.
Daily Programmes in *Spanish* from 22.00-03.00.
Message to Listeners: Reports answered by QSL letter.

HJDE — LA VOZ DE ANTIOQUIA CIA COLOMBIANA DE RADIODIFUSORA, MEDELLIN
Address: Maracaibo 46-80, Medellin.
Daily Programmes in *Spanish* on *Weekdays* from 12.00-04.00 (Sundays 02.45).
Message to Listeners: Reports are answered by QSL cards.

HJCX — LA VOZ DE COLOMBIA, BOGOTA
Address: Apartados: Postal No. 2665, Aereo No. 3855.

HJFH — LA VOZ DE ARMENIA, ARMENIA
Address: Hoyos Gutierrez y Aristazabal. Armenia Caldas.
Daily Programmes in *Spanish* from 12.00-13.00, 16.00-18.00 and 23.00-03.00.

HJGF — RADIO BUCARAMANGA, BUCARAMANGA
Daily Programmes in *Spanish* from 16.30-19.00 and 21.30-04.00.
Message to Listeners: Reports are answered by QSL letter.

HJDP — EMISORA, CLARIDAD MEDELLIN
Daily Programmes in *Spanish* from 12.00-04.00.
Interval-Signal: Motif from the march: "Admirale All'.

HJDG — LA VOZ DEL CHOCO, QUIBDO

HJAG — EMISORA ATLANTICO, BARRANQUILLA

HJKD — EMISORA NUEVO MUNDO, BOGOTA
Daily Programmes in *Spanish:* 13.00-05.00.

HJKE — RADIO CONTINENTAL, BOGOTA

HJFA — LA VOZ DE PEREIRA, PEREIRA

HJKJ — RADIO ESPECTACULOS
Addres: Emisoras Colombianas, Bogota.
Daily Programmes in *Spanish:* 12.00-04.00.

HJAI — RADIO MIRAMAR, CARTAGENA

ECUADOR

Cultural Stations:

HC1IM	4738 kc/s	63.50 m	0,25 kW
HCRC1	4930 kc/s	60.90 m	0,5 kW
HC5BL	5025 kc/s	59.70 m	0,75 kW
HCK	5352 kc/s	56.05 m	0,30 kW
HCJB	5995 kc/s	50.04 m	1 kW
HCJB	9958 kc/s	30.12 m	1,5 kW
HCJB	12455 kc/s	24.10 m	10 kW
HCJB	15115 kc/s	19.85 m	1 kW
HCJB	17890 kc/s	16.77 m	10 kW

Commercial Stations:

HC5EH	3932 kc/s	76.30 m	0,25 kW
HC4AS	4202 kc/s	71.39 m	0,25 kW
HC4FF	4560 kc/s	65.79 m	0,15 kW
HC2AK	4651 kc/s	64.50 m	1 kW
HC4SB	4677 kc/s	64.17 m	0,25 kW
HC5BU	4686 kc/s	64.00 m	0,35 kW
HC2ET	4700 kc/s	63.83 m	0,40 kW
HC2BJ	4710 kc/s	63.69 m	0,25 kW
HC6VT	4721 kc/s	63.55 m	0,20 kW
HC1IM	4738 kc/s	63.52 m	0,25 kW
HC5BE	4750 kc/s	63.16 m	0,30 kW
HC4FA	4766 kc/s	62.94 m	0,20 kW
HC1JW	4830 kc/s	62.11 m	0,25 kW
HC1BS	4870 kc/s	61.60 m	0,50 kW
HC5HP	4960 kc/s	60.48 m	0,25 kW
HCQRX	4986 kc/s	60.38 m	0,25 kW
HC1PM	5726 kc/s	52.40 m	0,25 kW
HC1IR	6025 kc/s	49.79 m	0,50 kW
HC2FQ	6065 kc/s	49.46 m	1 kW
HC1BF	6071 kc/s	49.42 m	0,30 kW
HC2FB	6130 kc/s	48.94 m	0,25 kW
HC1FM	6180 kc/s	48.54 m	0,25 kW
HC1AC	6210 kc/s	48.31 m	0,50 kW
HC2VP	6570 kc/s	45.66 m	0,20 kW
HC2CA	6853 kc/s	43.60 m	0,20 kW
HC4EB	6870 kc/s	43.67 m	0,37 kW
HC2AM	7350 kc/s	40.81 m	0,20 kW
HC5AB	7472 kc/s	40.15 m	0,25 kW
HC1GP	7700 kc/s	38.96 m	0,25 kW
HC1BS	9355 kc/s	32.05 m	0,25 kW
HC2FW	12805 kc/s	23.43 m	0,50 kW
HC2FX	15650 kc/s	19.14 m	20 kW

HCJB — "LA VOZ DE LOS ANDES"

Address: World Radio Missionary Fellowship. — Casilla 691, Quito. — New York Office: 156 Fifth Avenue, New York.
President: Mr. Reuben Larson, Vice-President: Mr. Clarence W. Jones. Treasurer: Mr. D. Stuart Clark. Secretary: Mr. Robert C. Savage.
Stations: HCJB. "La Voz de los Andes".

17890 kc/s	16.77 m	10 kW	9958 kc/s	30.12 m	1,5 kW
15115 kc/s	19.85 m	1 kW	5995 kc/s	50.04 m	1 kW
12455 kc/s	24.10 m	10 kW			

Daily Programmes (Monday is silent day at HCJB):
In *Spanish:* Daily from 11.30-13.45 (Sun. 14.15), 17.30 (Sun. 16.30)-19.00 (Sat. 19.30), Sun. 23.00), 22.30-04.00
11.25-14.00, 23.30 02.00 on 15115 kc/s
12.30-14.00, 23.00-02.00 (Sat. 01.30) on 12455 kc/s
12.30-14.00 (Sun. 14.30), 17.30-19.00, 23.30-02.00 on 9958 kc/s
11.25-14.00 (Sun. 14.30), 17.30-19.00, 22.30-04.00 on 5995 kc/s
Sundays also from 16.30-19.30; *Saturdays* also from 05.30-06.00 on all frequencies.
In *English:* From 11.30-12.30, 20.00-21.00, 22.00-23.00, 02.00-05.00.
22.00-23.00, 02.00-05.30 on 15115 kc/s
11.30-12.30, 22.00-23.00, 02.00-05.30 on 12455 kc/s
11.30-12.30, 22.00-23.00, 02.00-05.30 on 9958 kc/s
02.00-05.30 on 5995 kc/s. *Sundays* also from 20.00-21.00 on all frequencies exc. 5995 kc/s

Other Languages.

Czech:	21.30-22.00	Wedn. 15115, 12455, 9958 kc/s
	00.00-00.30	Sat. 15115, 12455, 9958, 5995 kc/s
Dutch:	21.30-22.00	Fri. 15115, 12455, 9958 kc/s
	19.30-19.45	Sun. 17890, 15115 kc/s
French:	21.15-21.30	Daily exc. M. on 15115, 12455, 9958 kc/s
German:	19.45-20.00	Sun. 15115, 12455, 9958 kc/s
Portuguese:	23.00-23.30	Sun. 15115, 12455, 9958 kc/s
Swedish:	21.30-22.00	Tuesd., Sun. on 15115, 12455, 9958 kc/s
Yiddish:	21.30-22.00	Sat. on 15115, 12455, 9958 kc/s

Announcement: In *English:* "This is the Voice of the Andes, Radio Station HCJB, broadcasting from Quito, Ecuador S. A."
Interval-Signal: Tone chimes i - c - c - a.
Message to Listeners: Reports answered by QSL-card.

HC1IM — LA VOZ DE IMBABURA, IBARRA
Daily Programmes in *Spanish* from 01.00-05.00.

HC2AM — RADIODIFUSORA CENIT
Address: Boulev. 9de Octobre 608, Guayaquil.
Daily Programmes in *Spanish:* 13.00-15.00, 17.00-19.30, 22.30-04.30.
Interval-Signal: At opening and close down: "La Serenata China".
Message to Listeners: We ask all listeners to send us a report about how you hear our broadcasts and how you like our programmes. Answered by QSL letter.

HCQRX — RADIO QUITO
Address: Radio Quito, La Voz de Capital, Empresa Editora El Comercio, Quito.
Daily Programmes in *Spanish:* 11.45-13.00, 17.00-19.00, 23.00-03.45.

HC2FW — HC2FQ — HC2FX — LA VOZ DEL TROPICO ECUATORIANO, RADIO CONTINENTAL
Address: Casilla 4020, Guayaquil.
Daily Programmes in *Spanish:* Weekdays from 16.45-20.00, 22.30—04.00. Sundays from 16.00-18.00, 01.00-02.30.
Interval-Signal: Every fifteen minutes.
Message to Listeners: Reports answered by QSL card and letter.

HC1AC — LA VOZ DE LA DEMOCRACIA
Address: Calle Leon 780 y Apartado 288 Oriente, Quito.
Daily Programmes in *Spanish:* 13.30-14.30, 17.00-21.00 and 22.30-03.30. Sun. to 21.00.
Message to Listeners: Reports are answered by QSL letter.

HC5EH — LA VOZ DEL TOMEBAMBA, CUENCA
Address: Apartado 23, Cuenca.
Daily Programmes in *Spanish* from 12.00-13.30, 16.30-19.00 and 23.00-03.30.

HC1BS — RADIO BOLIVAR LA VOZ DE LA LIBERTAD
Address: Radio Bolivar, Quito.
Daily Programmes in *Spanish* from 13.00-15.00, 17.00-19.00 and 23.00-03.00.

HC2AK — RADIODIFUSORA DEL ECUADOR
Address: Compania Radiodifusora del Ecuador, Guayaquil.
Daily Programmes in *Spanish* from 12.00-13.15, 17.00-19.00 and 23.00-04.00.

HC5AB — LA VOZ DE LA RIOBAMBA, RIOBAMBA

HC1IR — RADIO COMMERCIAL, IBARRA

HC1GP — RADIO ECUADOR AMAZONICO
Address: Calle Rocafuerte 1329, Quito.
Leading Personalities: Director Gerente: Padre R. P. Elias Brito, S. S.
Daily Programmes in *Spanish:* 11.00-13.00, 17.00-19.00, 22.00-03.00.
Announcement: "Radio Ecuador Amazonico, Quito, Ecuador".
Message to Listeners: Reports answered by QSL letter.

HC1PM — RADIO EL PALOMAR, QUITO
HC6VT — LA VOZ DE TUNGURAHUA, AMBATO
HC2VP — RADIO ATALAYA, GUAYAQUIL
HC2ET — RADIO EL TELEGRAFO, GUAYAQUIL
HC4FA — LA VOZ DE MANABI, PORTOVIEJO
HC4EB — RADIO MANTA, MANTA
Daily Programmes in *Spanish:* 11.00-04.00.

HC4AS — LA VOZ DE CARAQUEZ, BAHIA
HC4FF — LA VOZ DE LAS ESMERALDAS, ESMERALDAS
HC5BL — RADIO ALBORADA
Address: Estacion Cultural, Casilla 1355, Cuenca.
Daily Programmes in *Spanish:* 23.30-00.30.

HC1FM — RADIO EQUINOCCIAL, IBARRA
HC1JW — EMISORAS GRAN COLOMBIA, LA VOZ DEL HOGAR, QUITO
Daily Programmes in *Spanish:* 16.00-19.30 and 23.00-04.00.

HC2FB — RADIO NACIONAL DE EL CONDOR, GUAYAQUIL
HC2BJ — RADIO EL MUNDO, GUAYAQUIL
HC5HP — ONDAS ECUATORIANAS, RIOBAMBA
Daily Programmes in *Spanish:* 01.30-02.30.

HC4SB — ONDAS DEL COTOPAXI, LATACUNGA
HC5BU — RADIO EL MERCURIO, CUENCA
HC5BE — RADIO ALBORADA, PUNTA
HCK — RADIO NACIONAL, QUITO
HC1BF — RADIO COMERCIAL, QUITO
Daily Programmes in *Spanish:* 01.30-02.35.

HC2CA — EMISORA COSTA SUL, SALINAS
HCRC1 — RADIO CASA DE LA CULTURA ECUATORIANA, QUITO
Daily Programmes in *Spanish:* 17.20-18.45, 00.45-02.45.

GUIANA (British)

Address: British Guiana United Broadcasting Co., Ltd., 30-32 New North Road, Bourda, Georgetown.
Leading Personalities: Manager: Mr. O. S. Wight. — Programme Manager: Miss Lilian Fraser. —
Station: "The Voice of Guiana."
ZFY 6000 kc/s 50.00 m 1 kW (to be increased to 3 kW)
Daily Programmes in *English:*
Weekdays: 10.45-12.45, 14.45-16.45, 19.45-02.45.
Sundays: 10.45-16.45, 19.45-02.45.
Announcement: "This is ZFY, the voice of Guiana, 6000 kilocycles."
Message to Listeners: Reports are welcomed and verified by postcards.

GUIANA (Dutch, Surinam)

Address: Algemeene Vereenigung voor Radio Omroep en Surinam (AVROS), Paramaribo.
Stations: Avros, Paramaribo.

PZH5	5750 kc/s	52.18 m	0,35 kW
PZC	15400 kc/s	19.48 m	5 kW

Daily Programmes in **Dutch:**
PZH5 *Weekdays* from 13.00-14.30, 20.30-01.30.
Sundays from 13.30-15.30, 23.30-01.30.
PZC Daily from 21.45-01.30.
News: 23.30 (From P. C. J.), 01.30 or 02.00.
English: Musical Progr. 22.15-22.30.
Progr. for Indians and the Dutch West-Indies at 23.50-00.45 (Fri. only).
Music and Entertainment: 13.00-14.30, 20.30-22.15.
Announcement: "AVROS Paramaribo."
Message to Listeners: Reports answered by QSL-cards.

PARAGUAY

Population: 1.120.000. **Listeners:** 80.000.

ZPA1	6275 kc/s	47.62 m	3 kW
ZPA4	9735 kc/s	30.82 m	1 kW
ZPA3	11850 kc/s	25.32 m	1,2 kW
ZPA5	11945 kc/s	25.12 m	2,5 kW

ZPA5-RADIO ENCARNACION
Address: Radio Encarnacion, Compania Paraguaya de Radiodifusion, Encarnacion.
Daily Programmes from ZPA5 in *Spanish* from 11.00-02.05
Message to Listeners: We arrange broadcasts to all countries in the world on fixed dates. Reports are answered by QSL card.
ZPA1 — RADIO DEL ESTADO
Address: Calle Coronel Martinez 224, Asuncion.
Daily Programmes from ZPA1 in *Spanish* from 15.00-17.00 and 23.00-03.00.
Message to Listeners: Reports are answered by QSL card or letter.
ZPA3-RADIO TELECO
Address: Calle Azara 56, Asuncion.
Daily Programmes from **ZPA3** in *Spanish* from 11.55-18.05, 22.00-02.05.
Message to Listeners: Reports answered by QSL card.
ZPA4 — RADIO STENTOR
Address: Calle Indenpendencia Nacional 703 Asuncion.
Daily Programmes in *Spanish* from 22.30-03.00.

PERU

Stations:

OAX-1B	5706 kc/s	52.57 m	0,3 kW
OAX-4Z	5895 kc/s	50.90 m	15 kW
OAX-4V	5907 kc/s	50.78 m	0,5 kW
OAX-4S	5965 kc/s	50.28 m	1 kW
OAX-4P	5984 kc/s	50.14 m	0,25 kW
OAX-4Q	6011 kc/s	49.91 m	1 kW
OAX-4L	6330 kc/s	47.39 m	1 kW
OAX-6B	6035 kc/s	49.71 m	0,25 kW
OAX-6A	6042 kc/s	49.65 m	0,25 kW
OAX-2B	6057 kc/s	49.53 m	0,50 kW
OAX-4G	6091 kc/s	49.26 m	0,25 kW
OAX-4H	6095 kc/s	49.22 m	1 kW
OAX-4H	6307 kc/s	47.50 m	1 kW
OAX-7A	6128 kc/s	48.96 m	0,25 kW
OAX-8C	6140 kc/s	48.86 m	0,30 kW
OAX-4V	6170 kc/s	48.62 m	0,45 kW
OAX-5E	6170 kc/s	48.62 m	0,30 kW
OAX-6G	6170 kc/s	48.62 m	0,20 kW
OAX-1B	6197 kc/s	48.41 m	0,40 kW
OAX-4V	6200 kc/s	48.39 m	0,25 kW
OAX-6E	6335 kc/s	47.37 m	0,30 kW
OAX-4B	6526 kc/s	45.97 m	0,35 kW
OAX-4C	6564 kc/s	45.70 m	0,20 kW
OAX-1A	6701 kc/s	44.78 m	0,25 kW
OAX-4J	9330 kc/s	32.15 m	1 kW
OAX-4W	9360 kc/s	32.09 m	1,6 kW
OAX-6H	9500 kc/s	31.58 m	0.25 kW
OAX-5C	9500 kc/s	31.58 m	0,30 kW
OAX-4K	9545 kc/s	31.43 m	0,50 kW

OAX4Z — RADIO NACIONAL DEL PERU
Address: Radio Nacional del Peru, Av. Petit Thouars 441, Lima.
Daily Programmes in *Spanish* from 12.45-14.00, 16.00-19.00 and 23.00-04.30.
OAX4Q — RADIO VICTORIA
Address: Radio Victoria, Edificio Mineria No. 508-510, Lima.
Daily Programmes in *Spanish* from 12.30-05.00 (Sat. 06.00).
Announcement: "OAX-4X y OAX-4Q, Radio Victoria del Peru."
Interval-Signal: The letter "v" in morse followed by the first five bars of Beethoven's 5th Symphony.

OAX2B — RADIO TRUJILLO
Address: Radioemisoras Nor Oriente S. A., Diego de Almagro 323, Trujillo.
Daily Programmes in *Spanish:* 12.30-05.00.
Message to Listeners: Reports are verified by letter.
OAX6E — RADIO CONTINENTAL
Address: Rivero 103, Arequipa.
Daily Programmes in *Spanish:* 12.30-05.00.
OAX7A — RADIO CUZCO
Address: Carlos Lizarraga Fisher, Montes 43, Cusco.
Daily Programmes in *Spanish* from 16.00-19.00, 23.00-04.00.
OAX1B — RADIO PIURA, PIURA
Address: Tacna 871, Piura.
Daily Programmes in *Spanish:*
OAX1A: Weekd.: 16.00-19.00 and 23.00-04.30.
Sun.: 23.00-04.30.
OAX1B: 23.00-04.30.
OAX5E — RADIO CHINCHA
Address: Gonzales Jordan Canepa, Los Angeles, Chincha.
Daily Programmes in *Spanish* from 23.00-04.30.
OAX4V — OAX4W — RADIO AMERICA, LA VOZ DE NUEVO
Address: Ocona 476, P. O. Box 1192, Lima.
Daily Programmes in *Spanish* from 13.00-05.00 (Sat. 06.00).
OAX4P — LA VOZ DEL CENTRO DEL PERU
Address: Apartado 187, Huancayo.
Daily Programmes in *Spanish:* 16.00-19.00, 23.00-05.00.
Message to Listeners: Reports are verfied by QSL-cards.
OAX4J — RADIO COLONIAL
Address: Apartada 1166, Lima.
Daily programmes in *Spanish* from 16.30-05.00.
Message to Listeners: Reports are answered by letter.
OAX5C — RADIO LIBERTAD (RELAY OF RADIO UNIVERSAL)
Address: Loreto 524, Ica.
Daily Programmes in *Spanish:* 12.30-05.00.
OAX4K — OAX6G — OAX8C — RADIO CENTRAL
Address: Union 1038, Lima.
Daily Programmes in *Spanish:* 12.30-05.00.
OAX6H — RADIO TACNA, TACNA
Address: Amceto Ibarra 436, Casilla 188, Tacna.
Daily Programmes in *Spanish:* 23.00-04.00.
OAX4V — RADIO AZUL
Address: Grau 252, Cerro de Pasco.
Daily Programmes in *Spanish:* 23.00-04.00.
OAX6A — RADIO AREQUIPA
Address: Palacio Viejo 106, Arequipa.
Daily Programmes in *Spanish:* 23.00-04.00.
OAX6B — RADIO LANDA
Address: Calle Sucre 409, Arequipa.
Daily Programmes in *Spanish:* 13.00-05.00.
Message to Listeners: Reports verified by postcards.
OAX1A — RADIO DELCAR
Address: Saens Pena 109, Chiclayo.
Daily Programmes in *Spanish:* 16.00-19.00, 23.00-05.00.
OAX4G — RADIO LIMA
Address: Avda Uruguay 355, Lima.
Daily Programmes in *Spanish:* 12.30-05.00.
OAX4L — RADIO MIRAFLORES
Address: Pardo 769, Lima.
Daily Programmes in *Spanish:* 13.00-05.00.
OAX4H — RADIO MUNDIAL
Address: Compania Radio de Jusora "Amauta", Jiron Union 733, Apartado 1098, Lima.
Daily Programmes in *Spanish:* 12.30-05.00 (Sat. 06.00).
OAX4S — RADIO SAN CHRISTOBAL
Address: Radioemisoras Nore Oriente, S. A., Tarapacá 897, Lima.
Daily Programmes in *Spanish:* 12.30-05.00.
OAX4B — RADIO AZUL
Address: E. M. Presa Radiodifusora, Cerro de Pasco.

OAX4C — RADIO UNIVERSIDAD
Address: Ministry of Education, Universidad, Nacional de Peru, Lima.
Daily Programmes: 23.15-01.15.

URUGUAY

CXA-30	6035 kc/s	49.71 m	5 kW
CXA-14	6055 kc/s	49.55 m	10 kW
CXA-3	6075 kc/s	49.38 m	2,5 kW
CXA-4	6125 kc/s	48.98 m	10 kW
CXA-13	6155 kc/s	48.74 m	10 kW
CXA-21	6170 kc/s	48.62 m	1 kW
CXA-6	9620 kc/s	31.19 m	20 kW
CXA-8	9640 kc/s	31.12 m	3 kW
CXA-7	11739 kc/s	25.55 m	1,0 kW
CXA-19	11835 kc/s	25.35 m	5 kW
CXA-10	11900 kc/s	25.21 m	20 kW
CXA-18	15300 kc/s	19.60 m	20 kW

RADIO ELECTRICA
Address: Servicio Official de Difusion Radio Electrica (S. O. D. R. E.) Andes 1465, Montevideo.
Leading Personalities: Director-General: Mr. Hector M. Laborde. Chief-Engineer: Mr. Dante Tartaglia.
Stations: Radio Electrica.

CXA-4	6125 kc/s	48.98 m	10 kW
CXA-6	9620 kc/s	31.18 m	20 kW
CXA-10	11900 kc/s	25.21 m	20 kW
CXA-18	15300 kc/s	19.60 m	20 kW

Daily Programmes in *Spanish:*
14.30-17.15: CXA4, CXA6 Mo. to Fri. — 14.30-17.00: CXA4, CXA6 Sun. — 17.00-17.30: CXA 10 Sun. — 20.00-23.30 CXA4, CXA6 Daily — 23.30-02.00 CXA4; CXA10 Daily — 23.45-00.00 CXA4, CXA6, CXA10 Sun. — 23.30-02.00 CXA6 Daily.
Announcement: "Estacion Official del Estado, Servicio Official de Difusion Radio Electrica por intermedio de sus estaciones CX6, CX38, CXA4, CXA6 y CXA10.
Interval-Signal: At the beginning of every transmission: The first movements of "Campo".
CXA19, CXA18 — RADIO EL ESPECTADOR
Address: Radio El Espectador, Difusoras del Uruguay S. A. 18 de Julio 1393, Montevideo, Uruguay.
Daily Programmes in *Spanish* from 11.00-03.00.
Announcement: "Difusoras el Espectador de Montevideo, CXA14 y CXA19."
Message to Listeners: Reports are verified by QSL-card. — A new 20 kW transmitter is under construction and will be operating in the 19 m. b.
CXA21 — RADIO FENIX
Address: 18 de Julio 965, Montevideo.
Daily Programmes in *Spanish* from 22.00-00.00.
CXA30 — RADIO NACIONAL
Address: 18 de Julio 1764, Montevideo.
Daily Programmes in *Spanish* from 11.00-03.00.
Message to Listeners: Reports are answered by QSL cards.
CXA8 — RADIO REAL DE SAN CARLOS
Address: Radio Real de San Carlos, Flores 30, Colonia.
Daily Programmes in *Spanish* from 11.00-14.00, 22.00-03.00.
CXA3 — RADIO ARIEL
Address: Radio Ariel, 18 de Julio 1277, Montevideo.
Daily Programmes in *Spanish* from 10.00-12.00, 14.00-16.45 and 19.45-24.00.
CXA13 — RADIO CARVE, MONTEVIDEO
Address: Avenida 18 de Julio 1342, Montevideo.
Daily Programmes in *Spanish* from 22.00—03.00.
Message to Listeners: Reports are answered by QSL-letter.
CXA7 — RADIO ORIENTAL, MONTEVIDEO
Daily Programmes in *Spanish* from 22.00-02.00.
CXA14 — DIFUSORA MGA MINESTERIO DE GRANADERIA Y AGRICULTURA MONTEVIDEO

VENEZUELA

YVOG	3310 kc/s	90.63 m	0,6 kW
YVQL	3330 kc/s	90.09 m	1 kW
YVMU	3340 kc/s	89.82 m	0,2 kW
YVOC	3360 kc/s	89.34 m	1 kW
YVMI	3370 kc/s	89.02 m	0,5 kW
YVQN	3380 kc/s	88.76 m	7,5 kW
YVKP	3400 kc/s	88.24 m	0,7 kW
YVMK	3410 kc/s	87.97 m	1 kW
YVOE	3420 kc/s	87.72 m	0,3 kW
YVLI	3430 kc/s	87.46 m	0,3 kW
YVMC	3440 kc/s	87.21 m	0,7 kW
YVQI	3450 kc/s	86.96 m	1 kW
YVLD	3458 kc/s	86.75 m	0,7 kW
YVLE	3480 kc/s	86.21 m	0,5 kW
YVRA	3490 kc/s	85.96 m	0,2 kW
YVRK	3500 kc/s	85.71 m	1 kW
YVKX	3505 kc/s	85.59 m	1,8 kW
YVQG	3515 kc/s	85.34 m	1 kW
YVKT	3530 kc/s	84.99 m	1 kW
YVOC	3550 kc/s	84.51 m	1 kW
YVKD	3570 kc/s	84.07 m	1 kW
YVQA	3590 kc/s	83.51 m	1 kW
YVLG	3620 kc/s	82.87 m	0.2 kW
YVOC	4713 kc/s	63.70 m	1 kW
YVMA	4752 kc/s	63.13 m	0,2 kW
YVKV	4760 kc/s	63.03 m	0,3 kW
YVMW	4770 kc/s	62.89 m	0,3 kW
YVLA	4780 kc/s	62.76 m	0,2 kW
YVQC	4790 kc/s	62.63 m	0,6 kW
YVME	4800 kc/s	62.50 m	2 kW
YVMG	4810 kc/s	62.37 m	0,3 kW
YVRC	4820 kc/s	62.24 m	1 kW
YVOA	4830 kc/s	62.11 m	5 kW
YVOJ	4840 kc/s	61.98 m	1,5 kW
YVMS	4850 kc/s	61.86 m	0,3 kW
YVPA	4860 kc/s	61.73 m	0,2 kW
YVKF	4880 kc/s	61.47 m	7,5 kW
YVKC	4890 kc/s	61.35 m	5 kW
YVQE	4900 kc/s	61.22 m	0,5 kW
YVMM	4910 kc/s	61.10 m	0,2 kW
YVKR	4920 kc/s	60.99 m	5 kW
YVQA	4960 kc/s	60.48 m	1 kW
YVMQ	4990 kc/s	60.12 m	0,3 kW
YVMO	4990 kc/s	60.12 m	2 kW
YVKO	5020 kc/s	59.76 m	10 kW
YVKM	5030 kc/s	59.64 m	7,5 kW
YVKD	5060 kc/s	59.29 m	5 kW
YVMK	6150 kc/s	48.78 m	0,5 kW
YVQF	6205 kc/s	48.35 m	1 kW
YVKC	7400 kc/s	40.54 m	1 kW
YVKC	9640 kc/s	31.12 m	10 kW

YVKF — ONDAS POPULARES
Address: Apartado de Correos 587, Caracas.
Daily Programmes in *Spanish* from 10.55-13.00, 14.55-03.30, *News* 11.00, 21.15, 03.15 (BBC).
Interval-Signal: Gong. At opening and close down is played the "Ondas Populares March".
Message to Listeners: Reports are answ. by QSL card.
YVKO — RADIODIFUSORA NACIONAL CARACAS
Daily Programmes in *Spanish* from 14.25-04.30.
News: 23.30, 03.15, 04.00. *Variety:* 17.00-19.30, 21.30-23.30, 01.30-03.15.
Program Preview: 14.25, 03.25.
YVKR — RADIO CARACAS, CARACAS
Daily Programmes in *Spanish* Weekdays from 10.30-03.30
Message to Listeners: Reports are answ. by QSL card.
YVKC — RADIODIFUSORA VENEZUELA, CARACAS
Daily Programmes in *Spanish* from 10.25-12.30, 15.30-03.30.
Message to Listeners: Reports are answ. by QSL card.
YVMQ — RADIODIFUSORA OCCIDENTAL BARQUISIMETO

Address: Apartado Postal 76, Barquisimeto.
Daily Programmes in *Spanish:* 11.30-03.30.
YVOG — RADIO TRUJILLO
Address: Calle Independencia 200, Trujillo.
Daily Programmes in *Spanish:* 22.00-02.30.
YVKT — RADIO LIBERTADOR, CARACAS
Daily Programmes in *Spanish:* 22.30 03.30.
YVMI — LA VOZ DE LA FE, MARACAIBO
Daily Programmes in *Spanish:* 22.30-03.30.
YVKM — RADIO CONTINENTE
Address: Apartado 866, Caracas.
Daily Programmes in *Spanish:* 11.00-19.30, 21.25-03.30. Programmes consist of Music, Baseball-Games and Horse-Races.
Announcement: "Radio Continente la primera en el cuadrante, la primera en calidad" every 15 minutes.
Message to Listeners: Reports are answered by QSL-card.
YVLE — RADIO PUERTO CABELLO, PUERTO CABELLO
Daily Programmes in *Spanish:* 22.00-02.30
YVMO — RADIODIFUSORA OCCIDENTAL, BARQUISIMETO
Daily Programmes in *Spanish:* 11.30-03.30
YVQA — RADIO SUCRE, CUMANA
Daily Programmes in *Spanish:* 16.00-17.30, 21.30-02.30.
YVQC — ECOS DEL ORINOCO, CIUDAD BOLIVAR
Daily Programmes in *Spanish:* 22.30-02.30.
YVME — ONDAS DEL LAGO
Address: Apartado 261, Maracaibo.
Daily Programme in *Spanish:* 10.30-03.30.
YVMG — RADIO POPULAR
Address: P. O. Box 247, Maracaibo.
Daily Programmes in *Spanish:* 11.00-13.30, 15.30-18.00, 20.00-02.30.
YVOA — LA VOZ DEL TACHIRA
Address: Apartado 37, San Christobal.
Leading Personalities: Mr. Juan A. Chacón.
Daily Programmes in *Spanish:* 12.00-14.00, 15.00-18.00, 21.00-03.00.
YVOI — RADIO VALERA
Address: Calle Bolivar 54, Valera.
Daily Programmes in *Spanish:* 15.45-17.30, 21.30-02.40.
YVKD — RADIO CULTURA,CARACAS
Daily Programmes in *Spanish:* 10.27-03.30.
Message to Listeners: Reports answered by QSL-cards.
YVMK — RADIO CABIMAS
Address: Calle Democracia, Cabimas.
Daily Programmes in *Spanish:* 09.30-11.30, 14.30-16.30, 20.30-01.30.
YVLI — RADIO MARACAY, MARACAY
YVQI—EMISORAS UNIDAS, BARCELONA
Daily Programmes in *Spanish:* 23.00-02.30.
YVMC — RADIO MARACAIBO, MARACAIBO
YVQL — LA VOZ DEL TIGRE, EL TIGRE
Daily Programmes in *Spanish:* 10.00-02.30.
YVMU — RADIO CARORA, CARORA
YVQE — LA VOZ DE LA SIERRA, MERIDA
YVLD — RADIO VALENCIA, VALENCIA
YVRA — RADIO MONAGAS, MATURIN
Message to Listeners: Reports answered by QSL-card.
YVKX — LA VOZ DE LA PATRIA, CARACAS
Daily Programmes in *Spanish:* 14.25-19.00, 20.25-03.00.
YVLG — RADIO GIRARDET, MARACAY
YVMA — ECOS DEL ZULIA, MARACAIBO
Daily Programmes in *Spanish* from 10.30-13.30, 15.30-18.30, 20.30-03.35.
YVKV — EMISORAS VARGAS, LA GUAIRA
YVRC — LA VOZ DE APURA, SAN FERNANDO DE APURE
YVLA — LA VOZ DE CARABOBO, VALENCIA
YVMS — RADIO UNIVERSAL, BARQUISIMETO
YVMM — RADIO CORO, CORO
Daily Programmes in *Spanish:* 21.00-03.30.
Interval-Signal: 4 chimes and call.
Message to Listeners: Reports are answered by QSL-letter.
YVPA — RADIO YARACOY, SAN FILIPE
YVQF — RADIO BOLIVAR, CIUDAD BOLIVAR
Daily Programmes from 15.30-02.30.
YVOC — ECOS DEL TORBES, SAN CHRISTOBAL
Daily Programmes in *Spanish* from 10.30-02.40.
YVQN — ONDAS DEL PUERTO, PUERTO CRUZ
YVQG — LA VOZ DE ANZOATEQUI, BARCELONA
YVMW — ONDAS DEL CARIBE, PUNTO FIJO
YVKP — RADIO TROPICAL, CARACAS

All times are indicated in G.M.T.

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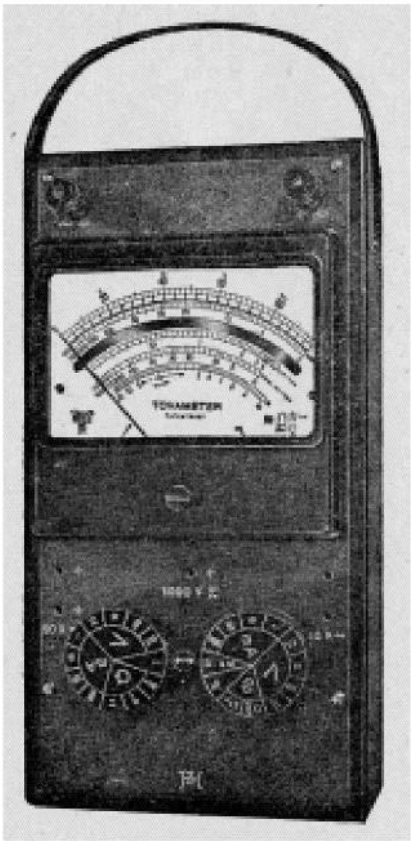
ELECTRICAL MEASURING INSTRUMENTS



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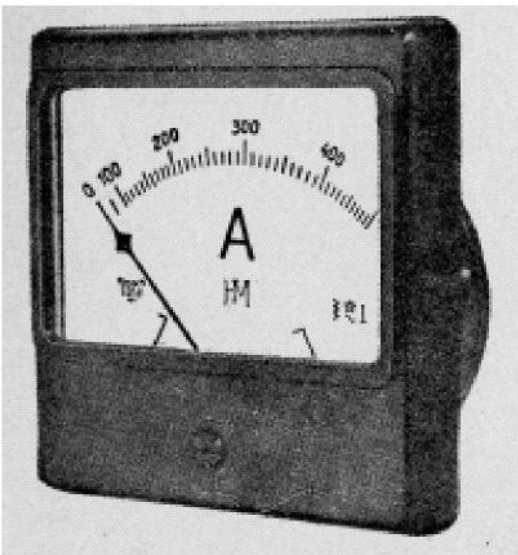

SMALL PANEL TYPES
Diameters: 63-83 and 100 mm.

BIG PANEL TYPES
Diameters: 130-150 and 225 mm.

SMALL SQUARE TYPES
frame Dim.: 90 × 90 mm with Tubus Diam.: 65 mm.

BIG SQUARE TYPES
frame Dim.: 145 × 145 mm with Tubus Diam.: 132 mm.

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LONG- AND MEDIUM WAVE STATIONS

EUROPE — NORTH AFRICA — NEAR EAST

kc/s	Metres	kW	Station
153	1961	120	**Kaunas** — U. S. S. R
155	1935	10	**Prague** — Czechoslovakia
160	1875	150	**Lathi** — Finland
160	1875	20	**Kuopio** — Finland
160	1875	150	**Brasov** — Rumania
160	1875	10	**Kootwijk** — Holland
167	1796	50	**Ottringham** — Gr. Britain
174	1724	500	**Moscow I** — U. S. S. R.
182	1648	20	**Strasbourg** — France
182	1648	100	**Reykjavik** — Iceland
182	1648	120	**Ankara** — Turkey
191	1571	100	**Deutschlandsender** — Germany (U. S. S. R. Zone)
200	1500	150	**Droitwich I** — England
208	1442	100	**Leningrad I** — U. S. S. R
216	1389	150	**Motala** — Sweden
218	1379	50	**Baku** — U. S. S. R.
224	1339	200	**Warsaw Central** — Poland
232	1293	100	**Moscow** — U. S. S. R
232	1293	150	**Luxembourg** — Luxembourg
240	1250	60	**Kalundborg** — Denmark
248	1209	150	**Kiev I** — U. S. S. R.
253	1186	10	**Bodö** — Norway
260	1154	20	**Bergen I** — Norway
260	1154	60	**Oslo** — Norway
269	1115	35	**Minsk** — U. S. S. R.
278	1078	1	**Gdansk** — Poland
283	1060	20	**Berlin Wolga** — Germany (U. S. S. R. Zone)
283	1060	200	**Kazan** — U. S. S. R.
292	1027	10	**Tromsö** — Norway
310	968	1	**Joensuu** — Finland
347	865	20	**Finmark** — Norway
355	845	1	**Bergen II** — Norway
385	779,2	50	**Charkow** — U. S. S. R.
392	765,3	10	**Luleå** — Sweden
392	765,3	25	**Banská Bystrica** — Czechoslovak.
400	750	10	**Petrozawodsk** — U. S. S. R.
415	722	10	**Östersund** — Sweden
433	693	10	**Oulu** — Finland
514	583,7	15	**Plzen** — Czechoslovakia.
519	578	1	**Hamar** — Norway
519	578	20	**Vorariberg** — Austria (West)
519	578	20	**Dornbirn** — Austria (West)
519	578	1,2	**Innsbruck** — Austria (West)
527	569,3	20	**Ljubljana** — Yugoslavia
527	569	20	**Kranj** — Yugoslavia
527	569	2,5	**Bremen** — Germany (American Z.)
530	566	2	**Kaiserlautern** — Germany (French Z.)
536	559,7	5	**Radio Sardegna** — Italy
536	559,7	20	**Bolzano** — Italy
536	559,7	50	**Vilna** — U. S. S. R.
546	549,5	135	**Radio Kossuth** — Hungary
556	539,6	100	**Beromünster** — Switzerland
556	539,6	1	**Temisoara** — Rumania
556	539,6	50	**Rostov** — U. S. S. R
564	532	20	**Potsdam** — Germany (U.S.S.R. Z.)
565	531,0	1	**Klagenfurt** — Austria (BFN)
565	531,0	1	**Graz** — Austria (BFN)
565	531,0	10	**Palermo** — Italy
565	531,0	100	**Athlone** — Eire
565	531,0	15	**Schönbrunn** — Austria (Alpenland)
574	522,0	100	**Stuttgart** — Germany (Amer. Z.)
575	522,0	0,4	**Jerusalem** — Israel
583	514	20	**Tunis II** — Tunis
583	514,6	20	**Riga** — U. S. S. R.
583	514,5	20	**Droitwich II** — Gr. Britain
588	510,2	0,2	**Liberec** — Czechoslovakia
592	506,8	10	**Vienna I** — Austria (RAVAG)
592	506,7	2,5	**Paris III** — France
592	506,8	2	**Damascus** — Syria
601	499,0	10	**Frankfurt** — Germany (AFN)
601	499,2	10	**Sundsvall** — Sweden
601	499,2	20	**Rabat I** — Morocco (French)
601	499,2	15	**Athens** — Greece
602	498,5	1	**Annemasse** — France
610	491,8	100	**Florence I** — Italy
615	487,8	1	**Eidar** — Iceland
620	483 9	50	**Brussels I** — Belgium
620	483,9	20	**Cairo I** — Egypt
629	477,0	20	**Berlin RIAS** — Germany
629	477,0	20	**Zagreb** — Yugoslavia
629	477,0	1	**Linz KOFA** — Austria (Blue Dan.)
629	476,9	50	**Lisbon I** — Portugal
629	476,9	100	**Vigra** — Norway
629	476,9	20	**Kristiansand** — Norway
631,5	475,4	1	**Godthaab** — Greenland
638	470,2	120	**Prague I** — Czechoslovakia
648	462 9		**Murmansk** — U. S. S. R.
648	463,0	120	**Limoges I** — France
651,6	460,0	0,8	**Tel Aviv** — Israel
658	456,0	100	**Norden** — Germany (Brit. Z.)
668	449,1	5	**Ajdovscina** — Yugoslavia
668	449,1	5	**Maribor** — Yugoslavia
668	449 1	100	**North Regional** — Gr. Britain
677	443,1	100	**Sottens** — Switzerland
686	437,0	100	**Berlin RIAS** — Germany
686	437,0	20	**Belgrade I** — Yugoslavia
686	437,3	18	**Madrid** — Spain
695	431,7	150	**Paris I** — France
704	426,1	150	**Istanbul** — Turkey
704	426,1	60	**Andorra** — Andorra
704	426,1	55	**Stockholm** — Sweden
704	426,1	0 2	**Malmberget** — Sweden
713	420,8	100	**Moscow** — U. S. S. R.
713	420,8	100	**Rome I** — Italy
722	415,5	20	**Lisbon II** — Portugal
722	415,5	60	**Hilversum II** — Holland
722	415,5	120	**Radio Wolga** — Germ. (U.S.S.R. Z.)
730	411,0	4	**Beirut** — Lebanon
731	410,0	0,5	**Assiut** — Egypt
731	410,4	20	**Nancy** — France
731	410,4	50	**Tallinn** — U. S. S. R.
731	410,4	10	**Sevilla** — Spain
740	405,0	100	**Munich** — Germany (American Z.)
749	400,5	20	**Marseille I** — France
749	400,5	100	**Leningrad** — U. S. S. R.
749	400,5	10	**Viborg** — U. S. S. R.
758	395,8	3,5	**Madrid** — Spain
758	395,8	50	**Warsaw II** — Poland
767	391,1	60	**Scottish Regional** — Gr. Britain
767	391,1	0,5	**Baghdad** — Iraq
767	391,1	1,5	**Rijeka** — Yugoslavia
767	391,1	15	**Sofia I** — Bulgaria
767	391,1	1	**Vatican City** — Vaticane
776	386,6	10	**Paris II** — France
776	386,6	10	**Stalino** — U. S. S. R.
785	382,0	120	**Leipzig** — Germany (U.S.S.R. Z.)
795	377,4	10	**Barcelona** — Spain
795	377,4	10	**Lvov** — U. S. S. R.
804	373,1	0,4	**Jerusalem** — Israel
804	373,1	60	**Welsh Regional** — Gr. Britain
804	373,1	2	**Salonica** — Greece
814	368,6	50	**Milan I** — Italy
823	364,5	120	**Tunis I** — Tunis

kc/s	Metres	kW	Station
823	364,5	12	**Bucarest I** — Rumania
823	364,5	20	**Tröndelag** — Norway
827	362,0	1,5	**Baden-Baden** — Germ. (French Z.)
827	362,0	18	**Freiburg** — Germany (French Z.)
827	362,0	5	**Sigmaringen** — Germ. (French Z.)
832	360,5	0,2	**Montpellier II** — France
832	360,5	0,05	**Grenoble II** — France
832	360,5	0 05	**Besançon** — France
832	360,5	100	**Moscow III** — U. S. S. R.
832	360,2	10	**Trieste II** — Italy
835	359,0	0,75	**Tlemcen** — Algeria
836	359,0	10	**Quimper** — France
841	356,7	100	**Berlin** — Germany (U. S. S. R. Z.)
850	352,9	100	**Sofia II** — Bulgaria
850	352,9	100	**Stavanger** — Norway
850	352,9	30	**Zaragoza** — Spain
859	349,2	20	**Strasbourg I** — France
859	349,2	20	**Simferopol** — U. S. S. R.
868	345,6	10	**Brussels IV** — Belgium
868	345,6	1	**Vienna** — Austria (BFN)
868	345,6	6	**Poznan** — Poland
870	344,8	1	**Malta** — Malta
877	342,1	100	**London Regional** — Gr. Britain
878	342 1	7	**Teheran** — Iran
886	339,0	100	**Dobl** — Austria (Alpenland)
895	335,2	100	**Lyon** — France
895	335,2	40	**Turku (Abo)** — Finland
904	332,0	100	**Hamburg** — Germany (Brit. Z.)
904	332,0	100	**Cologne** — Germany (Brit. Z.)
913	328,6	100	**Toulouse I** — France
913	328,6	10	**Dnjepropetrovsk** — U. S. S. R.
922	325,4	100	**Brno I** — Czechoslovakia
922	325,4	20	**Komarov** — Czechoslovakia
932	321,9	20	**Brussels II** — Belgium
940	320	0,2	**Malaga EAJ9** — Spain
941	318,8	50	**Algiers** — Algeria
941	318,8	20	**Algiers I** — Algeria
941	318,8	10	**Gothenburg** — Sweden
950	316,0	5	**Nuremburg** — Germ. (Amer. Z.)
950	315,8	50	**Wroclaw** — Poland
950	315,0	0,5	**Hof** — Germany (American Z.)
950	315,0	120	**Moscow II** — U. S. S. R.
959	313,0	120	**Monte Carlo** — Monaco
961	312,2	1	**Namsos** — Norway
968	309,9	20	**Pau** — France
968	309,9	20	**Coruna** — Spain
968	309,9	10	**Odessa** — U. S. S. R.
977	307,1	100	**Western Regional** — Gr. Britain
986	304,3	24	**Torun** — Poland
986	304,3	80	**Torino I** — Italy
986	304,3	5	**Genoa II** — Italy
995	301,5	125	**Hilversum I** — Holland
1004	298,8	20	**Rabat II** — Morocco (French)
1004	298,8	50	**Bratislava** — Czechoslovakia
1013	296,2	60	**Midland Regional** — Gr. Britain
1022	293,5	10	**Cracow** — Poland
1022	293,5	120	**Madrid** — Spain
1022	293,5	1,5	**Madrid** — Spain
1031	291,0	50	**Koblenz** — Germany (French Z.)
1031	291,0	20	**Weimar** — Germany (U.S.S.R. Z.)
1031	291,0	20	**Erfurt** — Germany (U.S.S.R. Z.)
1040	288,6	100	**Rennes I** — France
1040	288,5	135	**Radio Petófi** — Hungary
1040	288,6	10	**Leningrad** — U. S. S. R.
1050	285,7	100	**North of England** — Gr. Britain
1050	285,7	100	**Northern Ireland** — Gr. Britain
1053	285,0	5	**Bucarest II** — Rumania
1059	283,3	20	**Bari I** — Italy
1063	282,2	1,5	**Brno II** — Czechoslovakia
1068	281,0	1	**Vienna** — Austria (Blue Danube)
1068	280,9	2,5	**San Sebastian** — Spain
1068	280,9	20	**Parede** — Portugal
1068	280,9	1	**Naples II** — Italy
1068	280,9	1	**Bologna II** — Italy
1068	280,9	10	**Montbeliard** — France
1068	280,9	2	**Nimes** — France
1070	280,0	0,25	**Algiers III** — Algeria
1077	278,6	100	**Bordeaux I** — France
1080	278,0	0,5	**Pristina** — Yugoslavia
1086	276,0	1	**Fez** — Morocco (French)
1086	276,0	20	**Sarajevo** — Yugoslavia
1086	276,0	0,15	**Constantine I** — Algeria
1086	276,0	100	**Falun** — Sweden
1095	274,0	5	**Berlin** — Germany (B.F.N.)
1095	274,0	20	**Pinneberg** — Germany (B.F.N.)
1095	274,0	20	**Hannover** — Germany (B.F.N.)
1095	274,0	20	**Langenberg** — Germany (B.F.N.)
1104	271,0	1,3	**Salzburg** — Austria (Blue Danube)
1104	271,7	5	**Catania** — Italy
1104	271,7	5	**Florence II** — Italy
1113	269,5	10	**Algiers II** — Algeria
1113	269,5	60	**Prague II** — Czechoslovakia
1122	267,3	60	**Cowborough** — Gr. Britain
1122	267,4	0,5	**Alexandria** — Egypt
1122	267,4	0,6	**Nyiregyháza** — Hungary
1123	267,1	3	**Barcelona** — Spain
1131	265,3	2,5	**Bilbao** — Spain
1131	265,3	100	**Hörby** — Sweden
1140	263,2	0,25	**Liége** — Belgium
1140	263,2	10	**Trieste I** — Italy
1148	261,1	0,8	**Ocijek** — Yugoslavia
1149	261,1	60	**Westerglen** — Gr. Britain
1149	261,1	60	**Moorside Edge** — Gr. Britain
1149	261,1	10	**Stagshaw** — Gr. Britain
1158	259,1	0,25	**Dijon I** — France
1158	259,1	20	**Bordeaux II** — France
1158	259,1	11	**Ostrava** — Czechoslovakia
1167	257,1	15	**Monte Ceneri** — Switzerland
1172	256,0	2	**Tatry** — Czechoslovakia
1176	255,0	30	**Copenhagen** — Denmark
1185	253,1	60	**Nice I** — France
1195	251,0	150	**Munich** — Germ. (The V. of USA)
1204	249,2	100	**Kosice** — Czechoslovakia
1213	247,3	100	**Lille I** — France
1222	245,0	1,5	**Hoogesand** — Holland
1222	245,0	1,5	**Beek** — Holland
1222	245,0	1,5	**Hengelo** — Holland
1222	245,5	20	**Venice I** — Italy
1222	245,5	1	**Porsgrunn** — Norway
1222	245,5	0,3	**Narvik** — Norway
1231	243,7	20	**Schwerin** — Germany (U.S.S.R. Z.)
1231	243,7	10	**Gliwice** — Poland
1238	242,0	10	**Tangier** — Tangier
1240	241,9	1	**Cork** — Eire
1240	241,9	20	**Skoplje** — Yugoslavia
1249	240 0	100	**Munich** — Germany (AFN)
1249	240,0	100	**Stuttgart** — Germany (AFN)
1249	240,2	0,2	**Bone I** — Algeria
1255	239,2	0,2	**Oran II** — Algeria
1258	238,5	1	**Udine** — Italy
1258	238,5	5	**Rome II** — Italy
1258	238,5	0,2	**Asturias Oviedo** — Spain
1258	238,5	5	**Valencia** — Spain
1258	238,5	0,2	**Korça** — Albania
1258	238,0	20	**Riga** — U. S. S. R.
1258	238,0	5	**Fritzlar** — Germany (American Z.)
1267	236,0	5	**Salzburg** — Austria (R. W. R.)
1267	236,0	20	**Saarbrücken** — Germ. (French Z.)
1268	236,0	2	**Belgrade II** — Yugoslavia
1275	235,1	2	**Varna** — Bulgaria
1276	235,0	0,5	**Athens** — Greece
1276	235,0	10	**Frederikstad** — Norway
1285	233,5	15	**Klagenfurt** — Austria (Alpenland)
1285	233,5	15	**Graz** — Austria (Alpenland)

kc/s	Metres	kW	Station
1285	233,5	5	**Brussels III** — Belgium
1294	232,0	15	**Linz** — Austria (R. W. R.)
1294	231,9	0,5	**Badalona** — Spain
1294	231.8	1	**Notodden** — Norway
1294	231 8	0,3	**Lista** — Norway
1300	230,8	1	**Valladolid** — Spain
1300	230,8	0,4	**Zajecer** — Yugoslavia
1303	230,2	16	**Halle** — Germany (U.S.S.R. Z.)
1303	230,2	50	**Bologna I** — Italy
1312	228,7	100	**Naples I** — Italy
1312	228,6	10	**Vienna II** — Austria (RAVAG)
1312	228,7	2,5	**Malmö** — Sweden
1312	228,7	0,25	**Karlstad** — Sweden
1312	228.7	0,25	**Norrköping** — Sweden
1312	228,7	0,25	**Trollhättan** — Sweden
1312	228,7	2	**Halmstad** — Sweden
1312	228,7	0,5	**Uppsala** — Sweden
1321	227,1	0,6	**Magyaróvár** — Hungary
1321	227,1	20	**Clermont I** — France
1321	227,1	1	**Lisbon** — Portugal
1330	225,0	20	**Hannover** — Germ. (N.W.D.R.)
1330	225,0	20	**Berlin** — Germany (N.W.D.R.)
1330	225,0	2,5	**Flensburg** — Germany (N.W.D.R.)
1330	225,0	5	**Osnabrück** — Germany (N.W.D.R.)
1330	225,0	1	**Faro** — Portugal
1330	225,0	0,25	**Volos** — Greece
1339	224,0	25	**Marseille II** — France
1339	224,0	25	**Lyon II** — France
1339	224,0	20	**Limoges II** — France
1339	224,0	20	**Toulouse II** — France
1339	224,0	10	**Nancy II** — France
1339	224,0	10	**Lodz** — Poland
1348	222,6	1	**Montelimar** — France
1348	222,6	1	**Poitiers** — France
1348	222,6	5	**Jihlava** — Czechoslovakia
1348	222,6	0,25	**Fåberg** — Norway
1348	222 6	0,25	**Geila** — Norway
1348	222,6	0,25	**Odda** — Norway
1348	222,6	0,2	**Kiruna** — Sweden
1348	222,6	0,4	**Säffle** — Sweden
1348	222,6	0 2	**Varberg** — Sweden
1348	222,6	0,2	**Örebro** — Sweden
1348	222,6	1	**Oporto** — Portugal
1348	222,6	5	**San Remo** — Italy
1348	222,6	1	**Bari II** — Italy
1348	222,6	1	**Verona** — Italy
1348	222,6	2	**Dublin** — Eire
1348	222,6	0,2	**Turku II** — Finland
1349	222,6	0,2	**Cetinje** — Yugoslavia
1349	222,6	10	**Cairo II** — Egypt
1357	221,1	0,025	**Mosjöen** — Norway
1357	221,1	0,25	**Rjukan** — Norway
1357	221,1	10	**Genoa I** — Italy
1357	221,1	10	**Milan II** — Italy
1357	221,1	20	**Turin II** — Italy
1366	219,0	10	**Nantes (Montbert)** — France
1366	219,6	5	**Ceske Budejovice** — Czechoslovak.
1366	219,0	20	**Herford** — Germany (B.F.N.)
1375	218,2	0,5	**Basel** — Switzerland
1375	218,2	0,1	**Saviere** — Switzerland
1375	218,2	0,1	**Chur** — Switzerland
1375	218,2	0,1	**Sool** — Switzerland
1376	218,2	0,045	**La Coruna** — Spain
1377	218,0	0,5	**Titograd** — Yugoslavia
1384	216,8	20	**Western Regional** — Gr. Britain
1385	216,8	1	**Sczczecin** — Poland
1393	215,4	25	**Nice II** — France
1393	215,4	25	**Rennes II** — France
1393	215,4	20	**Dijon II** — France
1393	215,4	15	**Grenoble I** — France
1393	215,4	10	**Montpellier I** — France
1393	215,4	20	**Lille II** — Camphin France
1400	214,0	0,75	**Fort National** — Algeria
1402	213,0	0,5	**Kassel** — Germany (Amr. Zone)
1402	214,0	1	**Hudiksvall** — Sweden
1402	214,0	0,5	**Hälsingborg** — Sweden
1402	214,0	0,08	**Porjus** — Sweden
1402	214,0	1	**Umeå** — Sweden
1402	214 0	0,5	**Visby** — Sweden
1402	214,0	0,5	**Örnsköldsvik** — Sweden
1402	214,0	0,5	**Eskilstuna** — Sweden
1402	214,0	0,5	**Gävle** — Sweden
1402	214,0	2	**Borås** — Sweden
1402	214 0	2	**Stara Zagora** — Bulgaria
1411	213,0	10	**Bayreuth** — Germany (A.F.N.)
1411	212,6	1,5	**Oporto I** — Portugal
1411	212,6	0,05	**Uddevalla** — Sweden
1420	211,0	0,8	**Dubrovnik** — Yugoslavia
1420	211,0	0,4	**Berlin** — Germany (A.F.N.)
1420	211,0	1	**Lakatania** — Cyprus
1420	211,3	10	**Helsinki** — Finland
1420	211,3	0,25	**Tripoli** — Tripolitania
1420	211,3	1	**Kabrit** — Suez Canal Zone
1420	211,3	1	**Cyprus** — Cyprus
1420	211,3	1	**Bengasi** — Cyrenaica
1420	211,3	0,25	**East Africa** — Libya
1429	209,9	1	**Clermont II** — France
1429	209,9	0,05	**Saint Brieuc** — France
1429	209,9	1	**Perpinang** — France
1429	209,9	1	**Pori** — Finland
1429	209,9	15	**Vienna** — Austria (R.W.R.)
1429	209,9	4	**Bremen** — Germany (A.F.N.)
1429	209,9	0,25	**Coimbra I** — Portugal
1429	209,9	5	**Ancona** — Italy
1429	209,9	1	**Oran I** — Algeria
1429	209,9	2	**Paris IV (Grenelle)** — France
1438	208,6	60	**Frankfurt** — Germ. (American Z.)
1438	208,6	0,75	**Constantin II** — Algeria
1438	208,6	1,25	**Miskolc** — Hungary
1447	207,0	1,0	**Zagreb II** — Yugoslavia
1447	207,3	9	**Castilla** — Spain
1447	207,3	0,2	**Common Wave** — Spain
1447	207,3	0,2	**Mallorca** — Spain (Balearic Isles)
1447	207,3	0,2	**Kalmar** — Sweden
1447	207,3	0,1	**Usti nad Labem** — Czechoslovakia
1450	207,0	0,2	**Cordoba** — Spain
1455	206,2	2	**Kosice-mestro** — Czechoslovakia
1456	206,0	20	**Rouen-Louvetot** — France
1465	204,8	1,5	**Dresden** — Germany (U.S.S.R. Z.)
1465	204,8	0,2	**Ghent** — Belgium
1465	204,8	0,2	**Anvers** — Belgium
1465	204,8	1,25	**Pécs** — Hungary
1474	203,5		**23 stations** — Gr. Britain
1483	202,3	0,2	**Courtrai** — Belgium
1483	202,3	0,2	**Limbourg** — Belgium
1485	202,2	1,5	**Huelva** — Spain
1492	201,1	10	**Tampere** — Finland
1492	201,1	0,3	**Namur** — Belgium
1492	201,1	0,25	**Hainaut** — Belgium
1492	201,1	0,2	**Common Wave** — Spain
1492	201,1	5	**Venice II** — Italy
1492	201,1	5	**Messina** — Italy
1495	201,0	0,2	**Cadiz** — Spain
1500	200,0	0,25	**Bremerhaven** — Germany (A.F.N.)
1500	200,0	0,25	**Heidelberg** — Germany (A.F.N.)
1500	200,0	0,2	**Kristinehamn** — Sweden
1500	200,0	1	**Tirana** — Albania
1500	200,0	0,2	**Tammisaari** — Finland
1500	200,0	1	**Pietarsaari** — Finland
1500	200,0	0,2	**Common Wave** — Spain
1515	198,0	0,2	**Jönköping** — Sweden
1522	197,0	10	**Vaasa** — Finland
1522	197,0	0,2	**Karjaa (Karis)** — Finland
1530	196,1	0,5	**Karlskrona** — Sweden
1547	193,6	0,2	**12 low power stations** — Portugal
1552	193,0	1,0	**Athens II** — Greece

SHORTWAVE STATIONS OF THE WORLD

kc/s	Metres		kW	Station
2240	133.90	YDB	0,3	**Batavia** — Java
2313	129.70	PJC2	2	**Willemstad** — Curacao
2320	129.31	YDM2	0,04	**Fort de Kock** — Sumatra
2350	127.60	YDW	0,25	**Pontianak** — Borneo
2415	124.20	YDA2	0,15	**Bandoeng** — Java
2450	122.45	YDO	0,35	**Bandjermasin** — Borneo
2500	120.00	YDH	0,15	**Semarang** — Java
2510	119.50	HLKA	3	**Seoul** — Korea
2600	115.40	YDD	0,30	**Batavia** — Java
2810	106.80	YDA6	0,30	**Garoet** — Java
2880	104.20	GRC	50	**London** — Gr. Britain
3230	92.88	YDS	0,40	**Menado** — Celebes
3240	92.59	YDI	0,30	**Soerabaia** — Java
3270	91.75	YDL	0,35	**Padang** — Sumatra
3310	90.63	YVOG	0,60	**Trujillo** — Venezuela
3320	90.36		1,50	**Gwelo** — S. Rhodesia
3330	90.09	YVQL	1	**El Tigre** — Venezuela
3332	90.00	YDG	1	**Solo** — Java
3335	89.92	VUV	1	**Hyderabad** — India
3340	89.82	YVMU	0,20	**Carora** — Venezuela
3360	89.34	YVOC	1	**S. Christobal** — Venez.
3370	89.02	YVMI	0,5	**Maracaibo** — Venezuela
3380	88.76	YVQN	7,5	**Puerto la Cruz** — Venez.
3380	88.76	YDR	0,25	**Ambon** — Moluccas
3390	88.50	YDA	3	**Bandoeng** — Java
3390	88.50	OQ2AC	0,25	**Elisabethville**—B. Congo
3395	88.30		1	**Colombo** — Ceylon
3400	88.24	YVKP	0,7	**Caracas** — Venezuela
3410	87.98		0,3	**Noumea** — New Caledon.
3410	87.97	YVMK	1	**Cabimas** — Venezuela
3420	87.72	YVOE	0,30	**Merida** — Venezuela
3430	87.46	LRS	5	**Buenos Aires** — Argent.
3430	87.46	YVLI	0,30	**Maracay** — Venezuela
3435	87.33		0,20	**Dakar** — Senegal
3440	87.21	YVMC	0,70	**Maracaibo** — Venezuela
3450	86.97		5	**Johannesb. III** — S. Afr.
3450	86.96	YVQI	1	**Barcelona** — Venezuela
3458	86.75	YVLD	0,70	**Valencia** — Venezuela
3480	86.21	YVLE	0,50	**Puerto Cabello** — Venez.
3480	86.21	ZQI	0,20	**Kingston** — Jamaica
3490	85.96	CR7AB	0,60	**Lourenco Marques**—Moz.
3490	85.96	YVRA	0,20	**Maturin** — Venezuela
3495	85.84	VUD2	10	**Delhi** — India
3498	85.76	CR7IC	0,10	**Beira** — Mozambique
3500	85.71	YVRK	1	**Caracas** — Venezuela
3505	85.59	YVKX	1,80	**Caracas** — Venezuela
3515	85.34	YVQG	1	**Barcelona** — Venezuela
3530	84.99	YVKT	1	**Caracas** — Venezuela
3550	84.51	YVOC	1	**S. Christobal** — Venez.
3570	84.07	YVKD	1	**Caracas** — Venezuela
3590	83.51	YVQA	1	**Cumana** — Venezuela
3620	82.87	YVLG	0,20	**Maracaibo** — Venezuela
3658	82.01	ZEA	1	**Salisbury** — S. Rhodesia
3775	79.47		1	**Jodhpur** — India
3800	78.95	ZEB	1	**Bulawayo** — S. Rhodesia
3914	76.60	ZQP	0,50	**Lusaka** — N. Rhodesia
3932	76.30	HC5EH	0,25	**Cuenca** — Ecuador
3945	76.05	YDH2	0,60	**Semarang** — Java
3980	75.38	YDI	5	**Soerabaia** — Java
4169	71.90	TGOA	5	**Guatemala City** — Guat.
4202	71.39	HC4AS	0,25	**Bahia** — Ecuador
4275	70.18		25	**Khabarovsk** — U.S.S.R.
4290	69.63	COX7	5	**Havana** — Cuba
4384	68.43		0,20	**Johannesburg V**—S. Afr.
4560	65.79	HC4FF	0,15	**Esmeraldas** —Ecuador
4651	64.50	HC2AK	1	**Guayaquil** — Ecuador
4677	64.17	HC4SB	0,25	**Guayaquil** — Ecuador
4686	64.00	HC5BU	0,35	**Cuenca** — Ecuador
4700	63.83	HC2ET	0,40	**Guayaquil** — Ecuador
4710	63.66		100	**Moscow** — U.S.S.R.
4710	63.69	HC2BJ	0,25	**Guayaquil** — Ecuador
4713	63.70	YVOC	1	**S. Christobal** — Venez.
4721	63.55	HC6VT	0,20	**Ambato** — Ecuador
4738	63.50	HC1IM	0,25	**Ibarra** — Ecuador
4750	63.16	HC5BE	0,30	**Quito** — Ecuador
4752	63.13	YVMA	0,20	**Maracaibo** — Venezuela
4760	63.03	YVKV	0,3	**La Guaira** — Venezuela
4766	62.94	HC4FA	0,20	**Portoviejo** — Ecuador
4770	62.89	YVMW	0,3	**Punto Fijo** — Venezuela
4780	62.76		5	**Singapore** — Malaya
4780	62.76	YVLA	0,20	**Valencia** — Venezuela
4780	62.76	HUB	0,30	**S. Salvador** — El Salv.
4780	62.76	HJGB	2,5	**Bucaramanga** — Colomb.
4780	62.76	EQD	2	**Teheran** — Iran
4782	62.74			**M. E. L. F.** — Malta
4785	62.70	HJAB	1	**Barranquilla** — Colomb.
4785	62.70	ZYM8	0,50	**Sao Luiz** — Brazil
4790	62.63	YVQZ	0,60	**Bolivar** — Venezuela
4797	62.54		0,20	**St. Denis** — Reunion
4800	62.50		1	**Johannesburg IV**—S.Afr.
4800	62.50	YVME	2	**Maracaibo** — Venezuela
4810	62.37	YVMG	0,3	**Maracaibo** — Venezuela
4820	62.24	YVRC	1	**S.Fernando**—Venezuela
4820	62.24	XEJG	0,20	**Guadalajara** — Mexico
4825	62.18	ZYE7	0,5	**Parnaiba** — Brazil
4825	62.18	HJED	1	**Cali** — Colombia
4830	62.11	HC6JW	0,25	**Latacunga** — Ecuador
4830	62.11	YVOA	5	**S. Christobal** — Venez.
4835	62.05	HJKE	2,5	**Bogota** — Colombia
4840	61.98	YVOJ	1,5	**Valera** — Venezuela
4840	61.98	YDI4	1,2	**Soerabaia** — Java
4840	61.98	VUB2	10	**Bombay** — India
4845	61.92	CS9MC	1	**Ponta Delgada**—Azores
4845	61.92	ZYU8	0,50	**Teresina** — Brazil
4847	61.89	HJGF	2,5	**Bucaramanga** — Colomb.
4850	61.86	YVMS	0,30	**Barquisimeto** — Venez.
4855	61.75	CR7BV	7,5	**Lourenco Marques**—Moz.
4855	61.79	YDK	0,25	**Palembang** — Sumatra
4860	61.73	YVPA	0,20	**Vera Cruz** — Venezuela
4860	61.73	VUD11	20	**Delhi** — India
4860	61.73	JKL	5	**Yamata** — Japan
4865	61.66	PRC5	2	**Belem** — Brazil
4865	61.66	YDD2	0,30	**Batavia** — Java
4865	61.66		1	**Kashmir** — India
4866	61.64	HJFA	1	**Pereira** — Colombia
4870	61.60	HC1BS	0,50	**Quito** — Ecuador
4874	61.55	HJFH	0,75	**Armenia** — Colombia
4878	61.50		0,20	**Pietermaritzb.** — S.Afr.
4880	61.48	VUC2	10	**Calcutta** — India
4880	61.47	YVKF	7,5	**Caracas** — Venezuela
4885	61.41	VQ7LO	1,5	**Nairobi** — Kenya
4885	61.41	HJDP	5	**Medellin** — Colombia
4890	61.35	YVKB	5	**Caracas** — Venezuela
4895	61.29	HJCH	3	**Bogota** — Colombia
4895	61.28	PRF5	0,25	**Manaos** — Brazil
4895	61.29	YDZ	0,50	**Biak** — New Guinea
4895	61.28		5	**Johannesburg III**—S.Afr.
4900	61.22	YVQE	0,50	**Bolivar** — Venezuela
4900	61.23	ZOH	7,5	**Colombo** — Ceylon
4903	61.20	HJAG	1	**Barranquilla** — Colomb.
4910	61.10	JKI	5	**Nazaki** — Japan
4910	61.10	YDB2	0,30	**Batavia** — Java
4910	61.10	YVMM	0,20	**Coro** — Venezuela
4915	61.04	ZOY	5	**Accra** — Gold Coast
4917	61.01	VLM	10	**Brisbane** — Australia

kc/s	Metres		kW	Station
		60 METRE BAND		
4920	60.99	YVKR	5	**Caracas** — Venezuela
4920	60.98	VUM2	10	**Madras** — India
4925	60.91	CR7BU	7,5	**Lourenco Marques**—Moz.
4930	60.85	JKM	5	**Kawachi** — Japan
4930	60.85	YDP	1	**Medan** — Sumatra
4930	60.90	HCRC1	0,50	**Quito** — Ecuador
4931	60.85	HJAP	1	**Cartagena** — Colombia
4945	60.61	YDA3	0,15	**Bandoeng** — Java
4945	60.66	HJCW	1	**Bogota** — Colombia
4950	60.60	ZQI	0,20	**Kingston** — Jamaica
4950	60.61	HI1L	0,25	**Trujillo** — Dominicana
4955	60.54	ZYS8	1	**Manaos** — Brazil
4960	60.48	VUD2	10	**Delhi** — India
4960	60.48	YVQA	1	**Cumana** — Venezuela
4960	60.48	HC5HP	0,25	**Riobamba** — Ecuador
4965	60.42			**M. E. L. F.** — Malta
4965	60.42	HJAE	1	**Cartagena** — Colombia
4980	60.24	HI1A	0,75	**Santiago** — Dominicana
4986	60.18	HCQFX	0,25	**Quito** — Ecuador
4990	60.12	YVMQ	0,30	**Barquisimeto** — Venez.
4990	60.12	YVMO	2	**Barquisimeto** — Venez.
5010	59.88	PJC2	3	**Willemstad** — Curacao
5010	59.88	HIT	0,10	**Trujillo** — Dominicana
5020	59.76	YVKO	10	**Caracas** — Venezuela
5025	59.70	HC5BL	0,75	**Cuenca** — Ecuador
5030	59.64	YDQ2	0,25	**Makassar** — Celebes
5030	59.64	YVKM	7,5	**Caracas** — Venezuela
5030	59.64	HI8Z	0,20	**Santiago** — Dominicana
5055	59.35	HI2A	0,25	**Santiago** — Dominicana
5059	59.30		25	**Frunze** — U.S.S.R.
5060	59.30	YDJ	1	**Djogjakarta** — Java
5060	59.29		50	**Leningrad** — U.S.S.R.
5060	59.29	YVKD	5	**Caracas** — Venezuela
5187	57.83	YSCP	1	**S. Salvador** — El Salv.
5265	56.98		10	**Ulan Bator** — Mongolia
5352	56.05	HCK	0,30	**Quito** — Ecuador
5484	54.69		25	**Molotov** — U.S.S.R.
5706	52.57	OAX1B	0,30	**Lima** — Peru
5720	52.45		0,75	**Omdurman** — Sudan (Anglo-Egyptian)
5720	52.45		25	**Magadan** — U.S.S.R.
5726	52.40	HC1PM	0,25	**Quito** — Ecuador
5750	52.18	PZH5	0,35	**Paramaribo** — D. Guiana
5758	52.10	YNJAT	0,60	**Leon** — Nicaragua
5780	51.90		100	**Moscow** — U.S.S.R.
5800	51.72	CE8AA	0,25	**Santiago** — Chile
5875	51.06	TIGPH	1	**San Jose** — Costa Rica
5877	51.06	HRN	0,75	**Tegucigalpa**—Rep.Hond.
5880	51.00		5	**Cape Town III** — S. Afr.
5885	50.97		0,10	**North Shansi** — China
5895	50.90	OAX4Z	15	**Lima** — Peru
5900	50.85		0,20	**Mafeking** — S. Africa
5907	50.78	OAX4V	0,50	**Lima** — Peru
5920	50.70		100	**Moscow** — U.S.S.R.
5920	50.70	CR4AA	1	**Praia** — Cap Verde Isl.
5940	50.51		25	**Khabarovsk** — U.S.S.R.
5940	50.51	HRA	2	**Tegucigalpa** — R. Hond.
5942	50.49	OX1	1	**Godthaab** — Greenland
5951	50.46	4V2S	0,5	**Port au Prince** — Haiti
5957	50.30		100	**Moscow** — U.S.S.R.
5965	50.28	OAX4S	1	**Lima** — Peru
5970	50.26	HVJ	10	**Vatican City** — Vaticane
5970	50.26	HIT4	7,5	**Trujillo** — Dominicana
5970	50.25	CBNX	0,30	**St. Johns** — Canada
5973	50.24	CP5	0,25	**La Paz** — Bolivia
5979	50.18		25	**Yakutsk** — U.S.S.R.
5980	50.16		25	**Andorra** — Andorra
5984	50.14	OAX4P	0,25	**Huancayo** — Peru
5985	50.13		5	**Nanking** — China
5990	50.08	YNDG	1	**Leon** — Nicaragua
5990	50.08		0,07	**Bucarest** — Rumania
5995	50.04	HCJB	1	**Quito** — Ecuador
6000	50.00		0,50	**Vorarlberg** — Austria West
6000	50.00	YSWW	1	**Santa Ana** — El Salvador
6000	50.00	ZFY	1	**Georgetown** — Br. Guiana
6000	50.00	DZII4	1	**Manila** — Philippines
6000	50.00	FK8AA	0,30	**Noumea** — New Caledonia
6000	50.00	PRK5	5	**Belo Horizonte** — Brazil
6000	50.00	HJKD	5	**Bogota** — Colombia
6000	50.00	HI9B	0,20	**Trujillo** — Dominicana
6000	50.00		100	**Moscow** — U.S.S.R.
		49 METRE BAND		
6005	49.96	HP5K	0,80	**Colon** — Panama
6005	49.96	HVJ	25	**Vatican City** — Vaticane
6005	49.96	CFCX	0,08	**Montreal** — Canada
6005	49.96	VE9AJ	0,25	**Edmonton** — Canada
6006	49.95		2,5	**Rabat** — Fr.Morocco
6007	49.95		5	**Johannesb. III** — S. Africa
6010	49.92	XEOI	2,5	**Mexico City** — Mexico
6010	49.92	OLR2A	30	**Podebrady** — Czechlovakia
6010	49.92	HS8PD	2,5	**Bangkok** — Siam
6010	49.92	CJCX	1	**Sydney** — Canada
6010	49.92	GRB	50	**London** — Gr. Britain
6010	49.92	VUC2	10	**Calcutta** — India
6010	49.92	OQ2RC	15	**Leopoldville** — Belg. Congo
6010	49.92	VUD9	7,5	**Delhi** — India
6010	49.92	VUD8	7,5	**Delhi** — India
6010	49.92	VUD11	20	**Delhi** — India
6010	49.92	COCO	5	**Havana** — Cuba
6011	49,91	OAX4Q	1	**Lima** — Peru
6015	49.88	JKK	5	**Recife** — Brazil
6016	49.87	PRA8	5	**Nazaki** — Japan
6017	49.86	YNMM	0,30	**Managua** — Nicaragua
6018	49.85	HJCX	5	**Bogota** — Colombia
6020	49.83		25	**Khabarovsk** — U.S.S.R.
6020	49.83	XEUW	0,25	**Vera Cruz** — Mexico
6020	49.83		50	**Kiev** — U.S.S.R.
6024	49.80	FZI	1,5	**Brazzaville** — Fr.Equ. Afr.
6025	49.79	HC1IR	0,50	**Quito** — Ecuador
6025	49.79		1	**Kuala Lumpur** — Malaya
6025	49.79	PGD	5	**Huizen** — Holland
6025	49.79	HI1J	0,10	**S. Pedro de Mac.** — Domin.
6026	49.79	VU7MC	5	**Mysore** — India
6027	49.78		100	**Moscow** — U.S.S.R.
6030	49.75	OLR2B	30	**Podebrady** — Czechoslov.
6030	49.75	XEKW	5	**Morelia** — Mexico
6030	49.75	HP5B	0,25	**Panama City** — Panama
6030	49.75	HVJ	25	**Vatican City** — Vaticane
6030	49.75	CFVP	0,10	**Calgary** — Canada
6030	49.75		10	**Stuttgart** — Germany A. Z.
6030	49.75	DZH6	1	**Manila** — Philippines
6035	49.71	CXA30	5	**Montevideo** — Uruguay
6035	49.71		25	**Monte Carlo** — Monaco
6035	49.71	OAX6B	0,25	**Arequipa** — Peru
6035	49.71	GWS	50	**London** — Gr. Britain
6035	49.71		7,5	**Rangoon** — Burma
6040	49.67	GSY	50	**London** — Gr. Britain
6040	49.67	KCBA	50	**Delano** — U.S.A.
6040	49.67	COBF	1	**Havana** — Cuba
6042	49.65	OAX6A	0,25	**Arequipa** — Peru
6045	49.63	YDC2	100	**Batavia** — Java
6050	49.59	GSA	50	**London** — Gr. Britain
6050	49.59	HI1N	0,70	**Trujillo** — Dominicana
6050	49.59		25	**Tiflis** — U.S.S.R.
6054	49.56	HJEX	2,5	**Cali** — Colombia
6055	49.55	CXA14	10	**Colonia** — Uruguay
6055	49.55	HJFA	0,75	**Pereira** — Colombia
6057	49.53	OAX2B	0,50	**Lima** — Peru

kc/s	Metres		kW	Station
6060	49.50	GSX	50	**London** — Gr. Britain
6060	49.50	CKRZ	50	**Sackville** — Canada
6060	49.50	KNBI	50	**Dixon** — U.S.A.
6060	49.50	HORT	1	**Panama City** — Panama
6060	49.50	VQ7LO	1,50	**Nairobi** — Kenya
6060	49.50	FIQA	1,20	**Tananarive** — Madagascar
6065	49.46	LRS1	5	**B. Aires** — Argentina
6065	49.46	BEF9	10	**Kweyang** — China
6065	49.46	SBO	12	**Motala I** — Sweden
6065	49.46	HC2FQ	1	**Guayaquil** — Ecuador
6067	49.45	EA9AH	20	**Tetuan** — Sp. Morocco
6069	49.42	HJDG	0,50	**Quibdo** — Colombia
6070	49.42		25	**Petropavlovsk** — U.S.S.R.
6070	49.42	YSW	0,50	**San Salvador** — El Salvador
6070	49.42	CFRX	1	**Toronto** — Canada
6070	49.42	GRR	50	**London** — Gr. Britain
6070	49.42	CP18	0,25	**Oruro** — Bolivia
6071	49.42	HC1BF	0,30	**Guyaquil** — Ecuador
6075	49.38	CXA3	2,5	**Montevideo** — Uruguay
6075	49.38	APK2	0,25	**Karachi** — Pakistan
6075	49.38		7,5	**Colombo** — Ceylon
6077	49.36		100	**Moscow** — U.S.S.R.
6078	49.33	HI1X	1	**Trujillo** — Dominicana
6080	49.34	HI3X	1	**Trujillo** — Dominicana
6080	49.34	WLWO	75	**Cincinnati** — U.S.A.
6080	49.34	CKFX	0,10	**Vancouver** — Canada
6080	49.34		25	**Vladivostok** — U.S.S.R.
6080	49.34		85	**Munic III** — Germ. Am. Z.
6080	49.32	ZL7	10	**Wellington** — N. Zealand
6085	49.30	ZYK2	64	**Recife** — Brazil
6085	49.30		50	**Busto Arsizio IV** — Italy
6090	49.26	GWM	50	**London** — Gr. Britain
6090	49.26		100	**Allouis** — France
6090	49.26		100	**Moscow** — U.S.S.R.
6090	49.26	CKOB	50	**Sackville** — Canada
6090	49.26	CBFW	0,20	**Montreal** — Canada
6090	49.26		5	**Luxembourg** — Luxemb.
6090	49.26	VLI2	2	**Liverpool** — Australia
6090	49.26		1	**Pnompenh** — Fr. Indochina
6091	49.26	OAX4G	0,25	**Lima** — Peru
6092	49.25		7,5	**Tabriz** — Iran
6095	49.22	ZYB7	25	**Sao Paulo** — Brazil
6095	49.22		1	**Johannesb. IV** — S. Africa
6095	49.22	OAX4H	1	**Lima** — Peru
6100	49.18		1	**Peiping** — China
6100	49.18	WLKS	1	**Kure** — Japan
6100	49.18		0,10	**Hantan** — China
6100	49.18	DYH3	0,25	**Cebu** — Philippines
6100	49.18		10	**Belgrade** — Yugoslavia
6101	49.18	TGOA	0,50	**Guatemala City** — Guatem.
6103	49.16	HJFK	2,5	**Pereira** — Colombia
6105	49.14	HI1Z	0,20	**Trujillo** — Dominicana
6105	49.14	ZYN6	5	**Fortaleza** — Brazil
6110	49.10	GSL	50	**London** — Gr. Britain
6110	49.10	CP2	1	**La Paz** — Bolivia
6110	49.10	VUD3	5	**Delhi** — India
6110	49.10		0,25	**Omdurman** — Sudan
6110	49.10		1	**R. International** — Tangier
6115	49.06	OLR2C	30	**Podebrady** — Czechoslov.
6120	49.02		1,5	**Salisbury** — S. Rhodesia
6120	49.02	OIX7	10	**Helsinki II** — Finland
6120	49.02	KCBA	50	**Delano** — U.S.A.
6120	49.02	KNBA	50	**Dixon** — U.S.A.
6120	49.02	LRX1	10	**Buenos Aires** — Argentina
6120	49.02	CP15	1	**La Paz** — Bolivia
6122	49.00	HP5H	0,5	**Panama City** — Panama
6123	49.00	FG8A	0,1	**Basse Terre** — Guadeloupe
6124	48.99	HI1G	0,1	**Trujillo** — Dominicana
6125	48.98	HRQ	1	**S. Pedro Sula** — Honduras
6125	48.98	CXA4	10	**Montevideo** — Uruguay
6125	48.98	GWA	50	**London** — Gr. Britain
6128	48.96	OAX7A	0,25	**Cusco** — Peru
6130	48.94	HC2FB	0,25	**Guayaquil** — Ecuador
6130	48.94	XEUZ	0,1	**Mexico City** — Mexico
6130	48.94		100	**Moscow** — U.S.S.R.
6130	48.94	CHNX	0,5	**Halifax** — Canada
6130	48.94	VLX2	10	**Perth** — Australia
6130	48.94	COCD	1	**Havana** — Cuba
6135	48.90		5	**Singapore** — Malaya
6135	48.90	ZJM4	7,5	**Sharq al Adna** — Cyprus
6137	48.88	CR7AA	0,3	**Lour. Marques** — Mozamb.
6140	48.86	HOQQ	0,25	**Panama City** — Panama
6140	48.86	OAX8C	0,3	**Iquitos** — Peru
6140	48.86			**M. E. L F.** — Malta
6140	48.86	BEF6	35	**Chungking** — China
6140	48.86		100	**Moscow** — U.S.S.R.
6140	48.86	DYH2	0,5	**Cebu** — Philippines
6140	48.86	HI1R	0,2	**San Christobal** — Dominic.
6140	48.85		10	**Belgrade** — Yugoslavia
6145	48.82	HJDE	5	**Medellin** — Colombia
6147	48.80	HI1G	0,1	**Trujillo** — Dominicana
6150	48.78	YVMK	0,5	**Cabimas** — Venezuela
6150	48.78	VLR2	5	**Melbourne** — Australia
6150	48.78	CP12	0,25	**Sucre** — Bolivia
6150	48.78	GRW	50	**London** — Gr. Britain
6150	48.78	CE615	5	**Valparaiso** — Chile
6150	48.78	YSPB	0,35	**San Salvador** — El Salvador
6150	48.78	CKRO	2	**Winnepeg** — Canada
6153	48.75	TIRH	0,25	**San Jose** — Costa Rica
6155	48.74	CXA13	10	**Montevideo** — Uruguay
6154	48.74	CS2WD	5	**Lisbon** — Portugal
6155	48.75	PRL9	50	**Rio de Janeiro** — Brazil
6155	48.74	XEEP	1	**Mexico City** — Mexico
6155	48.74		0,3	**Vienna I** — Austria U.S.S.R.
6155	48.74	EQB	14	**Teheran** — Iran
6160	48.70	CR7CB	7,5	**Lour. Marques** — Mozamb.
6160	48.70		100	**Moscow** — U.S.S.R.
6160	48.70	CHAC	50	**Sackville** — Canada
6160	48.70	CBRX	0,15	**Vancouver** — Canada
6160	48.70	HJKJ	5	**Bogota** — Colombia
6160	48.70		1	**Munich** — Germany
6165	48.66		12	**Saigon** — Fr. Indochina
6165	48.66	4VCM	1	**Port au Prince** — Haiti
6165	48.66	HER3	100	**Schwarzenb. I** — Switzerl.
6165	48.66	GWK	50	**London** — Gr. Britain
6165	48.66	TILS	2	**San Jose** — Costa Rica
6165	48.66		0,5	**Damascus** — Syria
6170	48.62	OLR2D	30	**Podebrady** — Czechoslov.
6170	48.62	OAX6G	0,2	**Arequipa** — Peru
6170	48.62		85	**Munich I** — Germ. Am. Z.
6170	48.62	DUH2	0,3	**Manila** — Philippines
6170	48.62	GSZ	50	**London** — Gr. Britain
6170	48.62	ZJM5	7,5	**Sharq al Adna** — Cyprus
6170	48.62	OAX5E	0,3	**Chincha** — Peru
6170	48.62	OAX4V	0,45	**Cerro de Pasco** — Peru
6170	48.62	CXA21	1	**Montevideo** — Uruguay
6170	48.62	YDD3	0,3	**Batavia** — Java
6175	48.58	YSHQ	1	**San Miguel** — El Salvador
6175	48.58	XEXA	0,10	**Mexico City** — Mexico
6175	48.58	YSMA	1	**San Salvador** — El Salvador
6177	48.56		7,5	**Athens** — Greece
6179	48.55		25	**Ashkabad** — U. S. S. R.
6180	48.54	HC1FM	0,25	**Ibarra** — Ecuador
6180	48.54		1	**Dalat** — Fr. Indochina
6180	48.54	GRO	50	**London** — Gr. Britain
6180	48.54	LRM	10	**Mendoza** — Argentina
6190	48.47	HI9T	0,10	**Puerto Plata** — Dominicana
6190	48.47		0,70	**Frankfurt** — Germany A. Z.
6190	48.47		1	**Hanoi** — Fr. Indochina
6190	48.47	CP37	0,25	**Oruro** — Bolivia

kc/s	Metres		kW	Station
6190	48.47	HVJ	25	**Vatican City** — Vaticane
6190	48.47	VUD7	100	**Delhi** — India
6190	48.47	TGX1	0,10	**Guatemala City** — Guatem.
6195	48.43	GRN	50	**London** — Gr. Britain
6196	48.42	HI1A	0,08	**Santiago** — Dominicana
6197	48.41	OAX1B	0,40	**Piura** — Peru
6200	48.39		100	**Allouis I** — France
6200	48.39		8	**Allouis II** — France
6200	48.39	OAX4V	0,25	**Lima** — Peru
6200	48.39	HOB	0,3	**Panama City** — Rep. Pan.
6200	48.39	HJCT	10	**Bogota** — Colombia
6205	48.35	YVQF	1	**Ciudad Bolivar** — Venez.
6210	48.31	HC1AC	0,50	**Quito** — Ecuador
6210	48.31		5	**Romania Libera** — Rum.
6215	48.25		7,5	**Warsaw III** — Poland
6220	48.23		25	**Alma Ata** — U.S.S.R.
6220	48.23	CE622	5	**Santiago** — Chile
6225	48.19	HJFB	4,5	**Manizales** — Colombia
6230	48.16	TGJA	1	**Guatemala City** — Guatem.
6235	48.12	HRD2	0,20	**La Ceiba** — Honduras
6240	48.09	HJCF	0,75	**Bogota** — Colombia
6247	48.02		2	**Budapest** — Hungary
6250	48:00		1	**Macau** — Port China
6250	48.00	CE625	5	**Santiago** — Chile
6250	48.00	YSUA	1	**San Salvador** — El Salv.
6255	47.96	TGRA	0,15	**Guatemala City** — Guatem.
6265	47.88	YSR	1	**San Salvador** — El Salv.
6275	47.62	ZPA1	3	**Asuncion** — Paraguay
6285	47.73	TGTO	0,20	**Guatemala City** — Guatem.
6295	47.65	OTM1	3	**Leopoldville** — Belg. Congo
6295	47.66	TGLA	0,20	**Guatemala City** — Guatem.
6300	47.62	YNAS	1	**Managua** — Nicaragua
6300	47.61	YSCP	1	**San Salvador** — El Salvador
6307	47.50	OAX4H	1	**Lima** — Peru
6312	47.53	HI1Z	0,20	**Trujillo** — Dominicana
6321	47.46		1	**Baden Baden** — Germany S. W. F.
6327	47.43	COCW	1	**Havana** — Cuba
6330	47.39	OAX4L	1	**Lima** — Peru
6335	47.37	OAX6E	0,30	**Arequipa** — Peru
6335	47.35	TGTA	1	**Guatemala City** — Guatem.
6340	47.30		0.25	**Athens** — Greece
6351	47.24	HRP1	0,50	**S. Pedro Sula** — Honduras
6360	47.17	CS2MQ	10	**Ponta Delgada** — Azores
6374	47.07	CS2MA	10	**Atlantico** — Portugal
6383	47.00	HI9B	0,20	**Trujillo** — Dominicana
6407	46.83	4VCN	0,10	**Port au Prince** — Haiti
6410	46.80	TG3	0,30	**Guatemala City** — Guatem.
6432	46.65	HI1R	0,20	**S. Christobal** — Dominic.
6450	46.51	COHI	5	**Havana** — Cuba
6450	46.51	YNWW	0,40	**Granada** — Nicaragua
6464	46.41	YNWA	0,40	**Managua** — Nicaragua
6480	46.30	HI2T	0,20	**Trujillo** — Dominicana
6497	46.19	TGOA	0,50	**Guatemala City** — Guatem.
6526	45.97	OAX4B	0,35	**Cerro de Pasco** — Peru
6550	45.80	YNBH	0,80	**Managua** — Nicaragua
6564	45.70	OAX4C	0,20	**Lima** — Peru
6570	45.66	HC2VP	0,20	**Quito** — Ecuador
6580	45.55		0,08	**Jannina** — Greece
6590	45.52		0,10	**Antung** — China
6620	45.32	TG2	1	**Guatemala City** — Guatem.
6660	45.05	TGZA	0,25	**Guatemala City** — Guatem.
6660	45.05	4VCN	0,10	**Port au Prince** — Haiti
6672	44.97	HBQ	20	**Geneva** — Switzerland
6700	44.78	TIEP	1	**San Jose** — Costa Rica
6700	44.78		100	**Moscow** — U.S.S.R.
6701	44.78	OAX1A	0,25	**Chiclayo** — Peru
6730	44.60	HI3C	0,03	**La Romana** — Dominicana
6745	44.50		0,05	**Larissa** — Greece
6760	44.38	YNVP	0,80	**Managua** — Nicaragua
6770	44.31		7,5	**Singapore** — Malaya
6785	44.21	HI2A	0,25	**Santiago** — Dominicana
6825	43.96		25	**Tashkent** — U.S.S.R.
6830	43.89		2,5	**Tel Aviv** — Israel
6845	43.83		0,10	**Khorramabad** — Iran
6850	43.81	YOW	0,6	**Managua** — Nicaragua
6853	43.60	HC2CA	0,20	**Quito** — Ecuador
6860	43.73	TGRB	0,15	**Guatemala City** — Guatem.
6870	43.67	HC4EB	0,37	**Guayaquil** — Ecuador
6899	43.49	TGBC	0,10	**Guatemala City** — Guatem.
6917	43.37	FZK6	1,20	**Dakar** — Senegal
6963	43.38	YNEQ	0,20	**Managua** — Nicaragua
				41 METRE BAND
6980	42.98	FO8AA	0,10	**Papeete** — Tahiti
6993	42.90	CQM7	1	**Bissau** — Port. Guinea
7000	42.86	FZI	0,80	**Brazzaville** — Fr. Eq. Afr.
7006	42.83	FET1	0,45	**Valladolid** — Spain
7015	42.76	CS9MA	1	**Ponta Delgada** — Azores
7037	42.63	EAJ3	0,10	**R. Mediterraneo** — Spain
7050	42.56		0,50	**Sinkiang** — China
7050	42.50		1,50	**Athens** — Greece
7054	42.50	CR6RF	0,15	**Benguela** — Angola
7062	42.48	Y15KG	1	**Baghdad** — Iraq
7075	42.40	GRS	50	**London** — Gr. Britain
7080	42.37		1	**R. Africa** — Tangier
7092	42.30		0,50	**Baghdad** — Iraq
7098	42.27		0,10	**Harbin** — China
7100	42.25		0,04	**Makronissos** — Greece
7105	42.22	HS8PJ	2,5	**Bangkok** — Siam
7120	42.13	GRM	50	**London** — Gr. Britain
7120	42.13	VQ6MY	1	**Hargeisa** — Br. Somaliland
7127	42.10	FET22	0,25	**Oviedo** — Spain
7130	42.08	CR6RN	1	**Luanda** — Angola
7144	41.99	EAJ9	0,20	**Malaga** — Spain
7150	41.96		25	**Erivan** — U.S.S.R.
7150	41.96	GRT	50	**London** — Gr. Britain
7152	41.95	CR6RD	0,30	**Huambo** — Angola
7153	41.94	BEF6	10	**Chungking** — China
7165	41.88	HI8Z	0,20	**Santiago** — Dominicana
7165	41.88		100	**Moscow** — U.S.S.R.
7165	41.87	CR6RE	0,10	**Malange** — Angola
7170	41.84		0,20	**St. Denis** — Reunion
7171	41.84	EDV10	1	**Madrid SEU** — Spain
7177	41.80	CR6AA	1	**Lobito** — Angola
7180	41.78		100	**Moscow** — U.S.S.R.
7185	41.75	GRK	50	**London** — Gr. Britain
7199	41.68	CR7IB	0,30	**Beira** — Mozambique
7200	41.67	OQ2AC	0,25	**Elisabethville** — B. Congo
7200	41.67		7	**Singapore** — Malaya
7200	41.67	HIT	0,10	**Trujillo** — Dominicana
7200	41.67		100	**Moscow** — U.S.S.R.
7200	41.67	GWZ	50	**London** — Gr. Britain
7205	41.64	HI9U	0,10	**Puerto Plata** — Dominic.
7205	41.64		1	**Hué** — Fr. Indochina
7210	41.61	VUC2	10	**Calcutta** — India
7210	41.61	VUC3	0,25	**Calcutta** — India
7210	41.61	VUD10	20	**Delhi** — India
7210	41.61	LLG	10	**Tromsø** — Norway
7210	41.61	GWL	50	**London** — Gr. Britain
7210	41.61	YDP2	0,35	**Medan** — Sumatra
7214	41.58	HI2A	0,25	**El Cafe** — Dominicana
7215	41.58		100	**Moscow** — U.S.S.R.
7215	41.58	YSI	0,10	**S. Salvador** — El Salv.
7220	41.55	ZOP	2,5	**Lusaka** — N. Rhodesia
7220	41.55		0,40	**Lakatania** — Cyprus
7220	41.55			**M. E. L. F.** — Malta
7222	41.54	BED9	10	**Taiwan** — China
7222	41.54		5	**Tientsien** — China
7225	41.52	HI8Z	0,20	**Santiago** — Dominicana

kc/s	Metres		kW	Station
7225	41.52	VUD3	5	**Delhi** — India
7230	41.49	GSW	50	**London** — Gr. Britain
7230	41.49		0,5	**Goa** — Port. India
7235	41.47		100	**Moscow** — U.S.S.R.
7235	41.46		0,5	**Damascus** — Syria
7236	41.46	YNXA	0,10	**Masaya** — Nicaragua
7240	41.44		100	**Allouis** — France
7240	41.44	VLC8	100	**Shepparton** — Australia
7240	41.44		0,4	**Vienna II** — Austria
7240	41.44	YDM	0,35	**Fort de Kock** — Sumatra
7240	41.44	VUB2	10	**Bombay** — India
7240	41.44	VUB3	10	**Bombay** — India
7245	41.41		100	**Moscow** — U.S.S.R.
7250	41.38		1	**Rome** — Italy
7250	41.38	HVJ	25	**Vatican City** — Vaticane
7250	41.38		85	**Munich IV** — Germ. Am. Z.
7250	41.38	GWI	50	**London** — Gr. Britain
7257	41.35	JKH	5	**Yamata** — Japan
7260	41.32	GSU	50	**London** — Gr. Britain
7260	41.32	VUM2	0,25	**Madras** — India
7260	41.32	VUM3	0,25	**Madras** — India
7260	41.32	VUM3	10	**Madras** — India
7267	41.28	EA8AB	0,50	**Santa Cruz de Tenerife** — Canary Islands
7270	41.27	YDB3	0,30	**Batavia** — Java
7270	41.27	YSO	1	**S. Salvador** — El Salv.
7270	41.27			**M. E. L. F.** — Malta
7270	41.27	VUD3	5	**Delhi** — India
7270	41.27		100	**Moscow** — U.S.S.R.
7275	41.26		1	**Rome** — Italy
7275	41.24	VUD10	20	**Delhi** — India
7275	41.24	VUD8	7,5	**Delhi** — India
7275	41.24	VUD11	20	**Delhi**— India
7275	41.24	HI2T	7,5	**Trujillo** — Dominicana
7280	41.21	VLT5	2	**Port Moresby** — N. Guin.
7280	41.21	GWN	50	**London** — Gr. Britain
7280	41.21	VLC8	50	**Shepparton** — Australia
7280	41.21	VLA	100	**Shepparton** — Australia
7280	41.21		100	**Allouis W I** — France
7280	41.21	HVJ	25	**Vatican City** — Vaticane
7285	41.18	JKJ	5	**Nazaki** — Japan
7290	41.14		25	**Elmshorn** — Germ. NWDR
7290	41.15	VUD2	10	**Delhi** — India
7290	41.15	VUD5	100	**Delhi** — India
7290	41.15	VUD10	20	**Delhi** — India
7290	41.15	VUD8	7,5	**Delhi** — India
7295	41.12	YDI3	0,40	**Soerabaia** — Java
7295	41.12		100	**Moscow** — U.S.S.R.
7295	41.11	ZOY	1,3	**Accra** — Gold Coast
7298	41.10		0,1	**Changchow** — China
7300	41.09		7,5	**Athens** — Greece
7320	40.98	GRJ	50	**London** — Gr. Britain
7340	40.87	V3USE	1,5	**Forest Side** — Mauritius
7350	40.81	HC2AM	0,20	**Guayaquil** — Ecuador
7350	40.80		25	**Monte Carlo** — Monaco
7360	40.76		100	**Moscow** — U.S.S.R.
7370	40.72		0,2	**Valencia** — Spain
7380	40.68	FIQA	1,2	**Tananarive** — Madagascar
7400	40.54			**Pan Amr. Radio** — Tangier
7400	40.54	YVKC	1	**Caracas** — Venezuela
7409	40.49	FIQA	0,50	**Tananarive** — Madagascar
7410	40.49	PST2	1	**Sao Paulo** — Brazil
7430	41.38		3	**Korça** — Albania
7430	40.38		25	**Stalinabad** — U.S.S.R.
7442	40.32	YNAO	0,20	**Massaya** — Nicaragua
7447	40.29	FG8HA	0,14	**Basse Terre** — Guadaloupe
7462	40.20	TGDA	0,05	**Guatemala City**— Guatem.
7472	40.15	HC5AB	0,25	**Riobamba** — Ecuador
7500	40.00		10	**Peiping** — China
7500	40.00		0,10	**North Shansi** — China
7500	40.00	YNFT	0,20	**Granada** — Nicaragua
7530	39.82		1	**Macau** — Port. China
7548	39.75	EA8AB	0,5	**Tenerife** — Canary Islands
7550	39.74	FET	0,50	**Menorca** — Spain
7611	39.50		3	**Korça** — Albania
7615	39.40		100	**Berlin "Wolga"** — Germany U.S.S.R.-Zone
7625	39.34	YNLAT	0,40	**Granada** — Nicaragua
7640	39.27	YSUN	1	**San Salvador** — El Salvador
7650	39.21		100	**Moscow** — U.S.S.R.
7660	39.17	YNDG	0,30	**Leon** — Nicaragua
7670	39.11		5	**Sofia III** — Bulgaria
7700	38.96	CR6RM	0,10	**Mocamedes** — Angola
7700	38.95	2AP	2	**Apia** — Samoa
7700	38.96	HC1GP	0,25	**Quito** — Ecuador
7784	38.54		15	**Pyongyang** — Korea
7790	38.52		100	**Moscow** — U.S.S.R.
7853	38.22		3	**Tirana** — Albania
7860	38.17	YNSO	0,08	**Managua** — Nicaragua
7867	38.13	SUX	10	**Cairo** — Egypt
7935	37.81	HLKA	3	**Seoul** — Korea
7940	37.78	FET	1,2	**Alicante** — Spain
7950	37.74	FIA6	0,60	**Douala** — Fr. Cameroon
7960	37.69		0,20	**Shiras** — Iran
8007	37.46	YNMG	0,10	**Jinotepe** — Nicaragua
8036	37.34		5	**Beirut** — Lebanon
8150	36.80		0,03	**Tripolis** — Greece
8150	36.74	YNWW	0,40	**Granada** — Nicaragua
8170	36.70		0,25	**Haifa** — Israel
8192	36.63	YNXW	0,10	**Managua** — Nicaragua
8220	36.50		3	**Shkodra** — Albania
8242	36.40	CR6RG	0,30	**Dondo** — Angola
8254	36.33		10	**Ulan Bator** — Mongolia
8400	35.71	HTX1	0,25	**Managua** — Nicaragua
8440	35.55	YNCHA	0,10	**Managua** — Nicaragua
8550	35.09		1	**Rajputana** — India
8666	34.62	COJK	1	**Havana** — Cuba
8700	34.48	COCO	5	**Havana** — Cuba
8760	34.24		100	**Moscow** — U.S.S.R.
8825	33.92	COCQ	5	**Havana** — Cuba
8910	33.67		100	**Moscow** — U.S.S.R.
8960	33.48	COKG	1,20	**Santiago** — Cuba
8990	33.37	BCAF	5	**Taiwan** — China
9000	33.30		7,5	**Tel-Aviv** — Israel
9026	33.24	COBZ	1	**Havana** — Cuba
9041	33.18		0,10	**North Shansi** — China
9045	33.16	HRA	0,75	**Tegucigalpa** — Honduras
9045	33.16		100	**Moscow** — U.S.S.R.
9160	32.75	FIA6	0,60	**Douala** — Fr. Cameroon
9165	32.73	CR6RB	0,25	**Benguela** — Angola
9200	32.54	CE920	5	**Punto Arenas** — Chile
9210	32.57	OQ2RC	15	**Leopoldville** — Belg. Congo
9210	32.57	OTH	15	**Leopoldville** — Belg. Congo
9225	32.54	HI2G	0,10	**Trujillo** — Dominicana
9235	32.49	COBQ	1	**Havana** — Cuba
9235	32.49	CR6RH	0,10	**Sa da Bendeira** — Angola
9252	32.43		4	**R. Dacia Romana** — Rum.
9254	32.40		1	**Macau** — Port. China
9273	32.33	COCX	1	**Havana** — Cuba
9290	32.28	PYZ2	2,5	**Rio de Janeiro** — Brazil
9315	32.21	LRS2	10	**Buenos Aires** — Argentina
9330	32.15		25	**Radio Andorra** — Andorra
9330	32.15	OAX4J	1	**Lima** — Peru
9355	32.05	HC1BS	0,25	**Quito** — Ecuador
9360	32.05	OAX4W	1,60	**Lima** — Peru
9362	32.05		0,10	**Chin Cha Chi** — China
9368	32.02		40	**Madrid** — Spain
9378	31.99		25	**Khabarovsk** — U.S.S.R.

31 METRE BAND

kc/s	Metres		kW	Station
9380	31.98	COBC	1	**Havana** — Cuba
9380	31.98	OTM2	7,5	**Leopoldville** — Belg. Congo
9410	31.88	GRI	50	**London** — Gr. Britain
9420	31.84	CP24	0,50	**Sucre** — Bolivia
9435	31.80		100	**Moscow** — U.S.S.R.
9437	31.80	COCH	5	**Havana** — Cuba
9440	31.78	FZ1	7	**Brazzoville** — Fr. Eq. Afr.
9455	31.75	LRY	40	**Buenos Aires** — Argentina
9465	31.70	TAP	20	**Ankara** — Turkey
9475	31.66	CR6RN	1	**Luanda** — Angola
9480	31.65		25	**Vladivostok** — U.S.S.R.
9480	31.65		100	**Moscow** — U.S.S.R.
9490	31.61	YSA	1	**S. Salvador** — El Salvador
9500	31.58	OAX6H	0,25	**Tacna** — Peru
9500	31.58	VLI3	2	**Liverpool** — Australia
9500	31.58	DZH3	0,25	**Manila** — Philippines
9500	31.58	CP21	0,50	**Sucre** — Bolivia
9500	31.58	OAX5C	0,30	**Ica** — Peru
9500	31.58	BEM6	0,20	**Lanchow** — China
9500	31.58	BEN6	0,20	**Shansi** — China
9500	31.58		100	**Moscow** — U.S.S.R.
9500	31.58	XEWW	25	**Mexico City** — Mexico
9504	31.57	OLR3B	30	**Podebrady** — Czechoslov.
9505	31.56	CP38	5	**La Paz** — Bolivia
9505	31.56		10	**Belgrade** — Yugoslavia
9505	31.56	JBD	15	**Kawachi** — Japan
9505	31.56	HOLA	0,25	**Colon** — Panama
9510	31.55	GSB	50	**London** — Gr. Britain
9515	31.53	KCBR	200	**Delano** — U.S.A.
9520	31.51	CBFR	7,5	**Vercheres** — Canada
9520	31.51		1	**Colombo** — Ceylon
9520	31.51	COCO	5	**Havana** — Cuba
9520	31.51	OZF	50	**Herstedvester** — Denmark
9523	31.51		5	**Johannesburg III** — S. Afr.
9525	31.50	HI2L	0,50	**Trujillo** — Dominicana
9525	31.50	GWJ	50	**London** — Gr. Britain
9525	31.49	CBW3	2,5	**Hong Kong** — Hong Kong
9525	31.49		7,5	**Warsaw III** — Poland
9528	31.49		5	**Luxembourg** — Luxemb.
9530	31.48	VUC2	10	**Calcutta** — India
9530	31.48	VUC3	0,25	**Calcutta** — India
9530	31.48	WCEO	100	**Schenectady** — U.S.A.
9533	31.47		0,3	**Salzburg** — Austria U. S.
9535	31.46	HER4	100	**Schwarzenburg** — Switzerl.
9535	31.46	SBU	12	**Motala II** — Sweden
9540	31.45	VLB	100	**Shepparton** — Australia
9540	31.45	VLG2	10	**Lyndhurst** — Australia
9540	31.45	VLC5	50	**Shepparton** — Australia
9540	31.45	VLR	5	**Melbourne** — Australia
9540	31.45		85	**Munich II** — Germ. Am. Z.
9540	31.45		100	**Moscow** — U.S.S.R.
9540	31.44	YSLK	1	**Gonzales** — El Salvador
9540	31.44		7,5	**Rangoon** — Burma
9540	31.45	ZL2	10	**Wellington** — New Zealand
9540	31.45	LKJ	10	**Tromsø** — Norway
9540	31.45	VE9AJ	0,25	**Edmonton** — Canada
9545	31.43	XEFT	0 25	**Vera Cruz** — Mexico
9545	31.43	OAX4K	0,5	**Lima** — Peru
9550	31.41	YDQ	8	**Makassar** — Celebes
9550	31.41	VUB2	10	**Bombay** — India
9550	31.41	VUB3	10	**Bombay** — India
9550	31.41	HVJ	25	**Vatican City** — Vaticane
9550	31.41		100	**Allouis I** — France
9550	31.41	OLR3A	30	**Podebrady** — Czechoslov.
9550	31.41		100	**Moscow** — U.S.S.R.
9550	31.41	WRUA	50	**Boston** — U.S.A.
9550	31.41	GWB	50	**London** — Gr. Britain
9552	31.41	BED8	0,5	**Amoy** — China
9555	31.40	OIX2	15	**Pori II** — Finland
9555	31.40	XETT	0,5	**Mexico City** — Mexico
9560	31.38	JBD2	5	**Kawachi** — Japan
9560	31.38		100	**Allouis** — France
9563	31.37		0,2	**Vienna** — Austria RWR.
9565	31.36	VUD7	100	**Delhi** — India
9565	31.36	ZYK3	64	**Recife** — Brazil
9570	31.35	WRUW	20	**Boston** — U.S.A.
9570	31.35	KWIX	50	**San Francisco** — U.S. A.
9570	31.35	KWID	100	**San Francisco** — U.S. A.
9570	31.35	GWX	50	**London** — Gr. Britain
9570	31.35	OC1	25	**Algiers** — Algiers
9570	31.35	OC2	10	**Algiers** — Algiers
9570	31.35	VUD8	7,5	**Delhi** — India
9580	31.32	VLG8	10	**Lyndhurst** — Australia
9580	31.32	VLA11	100	**Shepparton** — Australia
9580	31.32	VLB9	100	**Shepparton** — Australia
9580	31.32	GSC	50	**London** — Gr. Britain
9580	31.32	VLH3	10	**Melbourne** — Australia
9585	31.30	CE960	1,2	**Santiago** — Chile
9590	31.28	PCJ	40	**Huizen** — Holland
9590	31.28	VUD5	100	**Delhi** — India
9590	31.28	VUD7	5	**Delhi** — India
9590	31.28	VUD3	5	**Delhi** — India
9590	31.28	VUM2	10	**Madras** — India
9590	31.28	VUM3	0,25	**Madras** — India
9595	31.27		1,5	**Athlone** — Ireland
9599	31.25		50	**Leningrad** — U.S.S.R.
9600	31.25	XEYU	0,25	**Mexico City** — Mexico
9600	31.25	GRY	50	**London** — Gr. Britain
9600	31.25	HJKY	5	**Bogota** — Colombia
9605	31.24	JKL2	5	**Yamata** — Japan
9607	31.23	HP5J	0,5	**Panama City** — Panama
9607	31.23		7,5	**Athens** — Greece
9610	31.22	CHLS	50	**Sackville** — Canada
9610	31.22	CBFX	7,5	**Vercheres** — Canada
9610	31.22	VLX3	10	**Perth** — Australia
9610	31.22	LLG	10	**Frederiksstad** — Norway
9610	31.22	ZYC8	25	**Rio de Janeiro** — Brazil
9610	31.22		5	**Cape Town III** — S. Africa
9610	31.22		0,5	**Goa** — Port. India
9610	31.22	VLW5	2	**Perth** — Australia
9615	31.20	CR5ST	1	**S. Tomé** — S. Tomé
9615	31.20	DUH4	0,3	**Manila** — Philippines
9615	31.20	VLA2	100	**Shepparton** — Australia
9615	31.20	VLB9	100	**Shepparton** — Australia
9615	31.20	VLC6	50	**Shepparton** — Australia
9615	31.20	TIPG	3	**San José** — Costa Rica
9620	31.19	VUD7	100	**Delhi** — India
9620	31.19	CXA6	20	**Montevideo** — Uruguay
9620	31.19		1	**Addis Abeba** — Ethiopia
9620	31.19		100	**Allouis** — France
9625	31.17	VP4RD	0,5	**Port of Spain** — Trinidad
9625	31.17	GWO	50	**London** — Gr. Britain
9625	31.17	XEBT	10	**Mexico City** — Mexico
9630	31.15	CKLO	50	**Sackville** — Canada
9630	31.15	CBFO	7,5	**Vercheres** — Canada
9630	31.15		50	**Busto Arsizio I** — Italy
9630	31.15	VLT7	2	**Port Moresby** — N. Guinea
9630	31.15	VUD2	10	**Delhi** — India
9630	31.15	VUD10	20	**Delhi** — India
9630	31.15	VUD9	20	**Delhi** — India
9630	31.15	HJCB	5	**Bogota** — Colombia
9630	31.15		100	**Moscow** — U.S.S.R.
9637	31.13		100	**Moscow** — U.S.S.R.
9640	31.12	COX4	5	**Havana** — Cuba
9640	31.12	DZH2	1	**Manila** — Philippines
9640	31.12	CXA8	3	**Colonia** — Uruguay
9640	31.12	GVZ	50	**London** — Gr. Britain

kc/s	Metres		kW	Station
9640	31.12	YVKC	10	**Caracas** — Venezuela
9640	31.12		100	**Moscow** — U.S.S.R.
9642	31.12	HOJA	0,3	**Chitre** — Panama
9645	31.10	LLH	10	**Frederiksstad** — Norway
9650	31.09	XJM8	7,5	**Sharq al Adna** — Cyprus
9650	31.09	HI3Z	0,25	**Trujillo** — Dominicana
9650	31.09		100	**Moscow** — U.S.S.R.
9650	31.09	BEF6	35	**Chungking** — China
9650	31.09	VLB2	100	**Shepparton** — Australia
9650	31.09	KNBI	50	**Dixon** — U.S.A.
9650	31.09	KRHO	100	**Honolulu** — Hawaii
9650	31.09	WCRC	50	**New York** — U.S.A.
9653	31.08	CR7BJ	10	**Lourenco Marques** — Moz.
9655	31.07	JKI2	5	**Nazaki** — Japan
9660	31.06	LRX	7	**Buenos Aires** — Argentina
9660	31.06	GWP	50	**London** — Gr. Britain
9660	31.06	VLQ3	10	**Brisbane** — Australia
9660	31.06	VUD11	20	**Delhi** — India
9660	31.06	HVJ	25	**Vatican City** — Vaticane
9660	31.06	4VBM	1	**Port au Prince** — Haiti
9660	31.06		100	**Moscow** — U.S.S.R.
9664	31.04		0,2	**Vienna III** — Austria USSR
9665	31.04	APK	50	**Karachi** — Pakistan
9665	31.04	HEU3	100	**Schwarzenburg** — Switzerl.
9668	31.03	HJAI	5	**Bogota** — Colombia
9670	31.02	WNRX	50	**New York** — U.S.A.
9670	31.02	KGEI	50	**San Francisco** — U.S.A.
9670	31.02	VUD9	7,5	**Delhi** — India
9670	31.02	VUD3	5	**Delhi** — India
9670	31.02	OLR3C	30	**Podebrady** — Czechoslov.
9670	31.02		100	**Moscow** — U.S.S.R.
9675	31.01	GWT	50	**London** — Gr. Britain
9680	30.99	VLA3	100	**Shepparton** — Australia
9680	30.99	VUD11	20	**Delhi** — India
9680	30.99	VUD2	10	**Delhi** — India
9680	30.99	VUD9	7,5	**Delhi** — India
9680	30.99	EQC	14	**Teheran** — Iran
9680	30.99	VLG8	10	**Lyndhurst** — Australia
9680	30.99	VLC2	50	**Shepparton** — Australia
9680	30.99	VLB2	100	**Shepparton** — Australia
9680	30.99	HI2A	0,25	**El Cafe** — Dominicana
9680	30.99		100	**Allouis OC I** — France
9680	30.99	XEQQ	1	**Mexico City** — Mexico
9690	30.98		7,5	**Singapore** — Malaya
9690	30.96	GRX	50	**London** — Gr. Britain
9690	30.96	LRA1	10	**B. Aires** — Argentina
9690	30.96	DZH5	0,25	**Manila** — Philippines
9690	30.96		100	**Moscow** — U.S.S.R.
9693	30.95	FIQA	0,35	**Tananarive** — Madagascar
9695	30.95	JKM2	5	**Kawachi** — Japan
9700	30.93	FNRI	1,5	**Fort de Fr.** — Martinique
9700	30.93	GWY	50	**London** — Gr.Britain
9700	30.93	BEE4	1	**Canton** — China
9700	30.93	WLWS2	75	**Cincinnati** — U.S.A.
9700	30.93	KCBF	50	**Delano** — U.S.A.
9700	30.93	WNRI	50	**New York** — U.S.A.
9710	30.90		100	**Moscow** — U.S.S.R.
9715	30.86	CR7BE	7,5	**Laur. Marques** — Mozamb.
9720	30.86	PRL7	50	**Rio de Janeiro** — Brazil
9724	30.85	CS2MF	10	**Atlantico** — Portugal
9727	30.84	HI2T	7,5	**Trujillo** — Dominicana
9728	30.84	CE970	1	**Santiago** — Chile
9730	30.83	DZH7	3	**Manila** — Philippines
9730	30.83		5	**Nanking** — China
9730	30.83		12	**Leipzig** — Germ. U.S.S.R.
9735	30.82	ZPA4	1	**Asuncion** — Paraguay
9740	30.80		100	**Moscow** — U.S.S.R.
9750	30.77		50	**Leningrad** — U.S.S.R.
9750	30.77	KNBA	50	**Dixon** — U.S.A.
9750	30.77	KNBX	50	**Dixon** — U.S.A.
9760	30.74		0,1	**Mukden** — China
9760	30.74	TGWA	10	**Guatemala City** — Guatem.
9760	30.73		100	**Moscow** — U.S.S.R.
9767	30.71	OTC2	50	**Leopoldville** — Belg. Congo
9770	30.70	PRL4	1	**Rio de Janeiro** — Brazil
9770	30.70		6,5	**Omdurman** — Sudan
9780	30.67	ZL2	10	**Wellington** — New Zealand
9780	30.67		100	**Moscow** — U.S.S.R.
9785	30.65		25	**Monte Carlo** — Monaco
9790	30.62	HSP3	2,5	**Bangkok** — Siam
9800	30.61		100	**Moscow** — U.S.S.R.
9820	30.52		0,5	**Kwanchi** — China
9830	30.52		2	**Budapest** — Hungary
9820	30.52	GRH	50	**London** — Gr. Britain
9825	30.52		1	**Colombo** — Ceylon
9830	30.52		25	**Alma Ata** — U.S.S.R.
9833	30.51	COBL	1	**Havana** — Cuba
9836	30.51		50	**Leningrad** — U.S.S.R.
9870	30.40		1	**Johannesb. IV** — S. Afr.
9880	30.36		100	**Moscow** — U.S.S.R.
9886	30.35	CP49	0,5	**La Paz** — Bolivia
9890	30.33	HJAP	0,75	**Cartagena** — Colombia
9915	30.26	GRU	50	**London** — Gr. Britain
9958	30.12	HCJB	1,5	**Quito** — Ecuador
9964	30.10	FZI	1,5	**Brazzavilie** — Fr. Equ. Afr.
10055	29.83	SUX	10	**Cairo** — Egypt
10135	29.60	4VRW	0,5	**Port au Prince** — Haiti
10204	29.40		100	**Moscow** — U.S.S.R.
10260	29.25		10	**Peiping** — China
10350	29.00	LQA5	10	**Buenos Aires** — Argentina
10365	28.94	PLB4	3	**Batavia** — Java
10600	28.30	ZIK2	0,2	**Belize** — Br. Honduras
10615	28,26	FIQA	0,25	**Tananarive** — Madagascar
10660	28,14		100	**Moscow** — U.S.S.R.
10780	27.83	SDB2	12	**Motala I** — Sweden
11000	27.27	PLB9	3	**Batavia** — Java
11027	27.20	CS2MK	10	**Atlantico** — Portugal
11035	27.18	CR6RA	0,4	**Luanda** — Angola
11084	27.06	YDQ3	2,5	**Makassar** — Celebes
11090	27.05	CS9MB	1	**Ponta Delgada** — Azores
11630	25.79		50	**Kiev** — U.S.S.R.
11630	25.79		50	**Leningrad** — U.S.S.R.
11680	25.68	GRG	50	**London** — Gr. Britain
11680	25.68	HJCQ	3	**Bogota** — Colombia
11680	25.68	BCAF		**Taiwan** — China
11685	25.67	HVJ	25	**Vatican City** — Vaticane
11700	25.64		100	**Allouis I** — France
11700	25.64	GVW	50	**London** — Gr. Britain
11700	25.64	HP5A	0,5	**Panama City** — Panama
11705	25.63	CKXA	50	**Sackville** — Canada
11705	25.63	CBFY	7,5	**Vercheres** — Canada
11705	25.63	SBP	12	**Motala I** — Sweden
11710	25.62	VLG3	10	**Lyndhurst** — Australia
11710	25.62	WLWR1	75	**Cincinnati** — U.S.A.
11710	25.62	WLWS1	75	**Cincinnati** — U.S.A.
11710	25.62		5	**Johannesb. III** — S. Afr.
11710	25.62		100	**Moscow** — U.S.S.R.
11710	25.62	VUD5	100	**Delhi** — India
11715	25.61	HEI5	25	**Schwarzenburg** — Switzerl.
11720	25.60	HSP5	2,5	**Bangkok** — Siam
11720	25.60	OTM4	7,5	**Leopoldville** — Belg. Congo
11720	25.60	CHOL	50	**Sackville** — Canada
11720	25.60	CKRX	2	**Winnipeg** — Canada
11720	25.60	CBFL	7,5	**Vercheres** — Canada
11720	25.60	ZJM7	7,5	**Sharq al Adna** — Cyprus
11720	25.60	PRL8	50	**Rio de Janeiro** — Brazil
11730	25.58		7,5	**Singapore** — Malaya
11730	25.58	OQ2AA	0,25	**Leopoldville** — Belg. Congo
11730	25.58	KGEX	100	**S. Francisco** — U.S.A.
11730	25.58	PHI	40	**Huizen** — Holland

kc/s	Metres		kW	Station
11730	25.58	CE1173	5	**Santiago** — Chile
11730	25.58	GVV	50	**London** — Gr. Britain
11735	25.56	LKQ	10	**Frederiksstad** — Norway
11739	25.55	CXA7	1	**Montevideo** — Uruguay
11740	25.55	VLB10	100	**Shepparton** — Australia
11740	25.55	CE1174	5	**Santiago** — Chile
11740	25.55	COCY	5	**Havana** — Cuba
11740	25.55	HVJ	25	**Vatican City** — Vaticane
11740	25.55		100	**Moscow** — U.S.S.R.
11740	25.55		1,5	**Athlone** — Ireland
11750	25.53	GSD	50	**London** — Gr. Britain
11760	25.51	VLB3	100	**Shepparton** — Australia
11760	25.51	VLA8	100	**Shepparton** — Australia
11760	25.51	VLC3	50	**Shepparton** — Australia
11760	25.51	VLG10	10	**Lyndhurst** — Australia
11760	25.51	CKRA	50	**Sackville** — Canada
11760	25.51	CBFA	7,5	**Vercheres** — Canada
11760	25.51	OLR4B	30	**Podebrady** — Czechoslov.
11760	25.51	VUD7	100	**Delhi** — India
11760	25.51	VUD11	20	**Delhi** — India
11765	25.50	ZYB8	25	**Sao Paulo** — Brazil
11770	25.49	KNBI	50	**Dixon** — U.S.A.
11770	25.49	VLA4	100	**Shepparton** — Australia
11770	25.49	VLB3	100	**Shepparton** — Australia
11770	25.49		100	**Colombo** — Ceylon
11770	25.49	YDE	3	**Batavia** — Java
11770	25.49	WNRA	50	**New York** — U.S.A.
11770	25.49	GVU	50	**London** — Gr. Britain
11780	25.47		100	**Moscow** — U.S.S.R.
11780	25.47			**M.E.L.F.** — Malta
11780	25.47		12	**Saigon** — Fr. Indochina
11780	25.47	ZL3	10	**Wellington** — New Zealand
11783	25.46		5	**Luxembourg** — Luxemb.
11785	25.45		0,2	**Vienna I** — Austria USSR
11785	25.45	CR5SA	1	**S. Tomé** — S. Tomé
11790	25.45	WRUS	50	**Boston** — U.S.A.
11790	25.45	KNBX	200	**Dixon** — U.S.A.
11790	25.45	WRUL	50	**Boston** — U.S.A.
11790	25.45	KRHK		**Honolulu** — Hawaii
11790	25.45	GWV	50	**London** — Gr. Britain
11790	25.45	VUD11	20	**Delhi** — India
11790	25.45	VUD7	100	**Delhi** — India
11790	25.45	VUD5	100	**Delhi** — India
11800	25.42		5	**Shanghai** — China
11800	25.42	HI1X	0,25	**Trujillo** — Dominicana
11800	25.42		100	**Moscow** — U.S.S.R.
11800	25.42	GWH	50	**London** — Gr. Britain
11804	25.41	COBH	1	**Havana** — Cuba
11810	25.40	KCBF	50	**Delano** — U.S.A.
11810	25.40		50	**Busto Arsizio II** — Italy
11810	25.40	VLC7	50	**Shepparton** — Australia
11810	25.40	VLB4	100	**Shepparton** — Australia
11815	25.39	HEU5	25	**Schwarzenburg** — Switzerl.
11820	25.38	XEBR	0,15	**Hermosillo** — Mexico
11820	25.38			**M. E. L. F.** — Malta
11820	25.38	GSN	50	**London** — Gr. Britain
11825	25.37	ZYK3	64	**Recife** — Brazil
11830	25.36	VUD8	7,5	**Delhi** — India
11830	25.36	VUD10	20	**Delhi** — India
11830	25.36		100	**Moscow** — U.S.S.R.
11830	25.36	VLW3	2	**Perth** — Australia
11830	25.36	WCRC	50	**New York** — U.S.A.
11835	25.35	CXA19	5	**Montevideo** — Uruguay
11840	25.35	VLG4	10	**Lyndhurst** — Australia
11840	25.35	VLC7	50	**Shepparton** — Australia
11840	25.34	OLR4A	30	**Podebrady** — Czechoslov.
11840	25.34	DUH5	0,3	**Manila** — Philippine Islands
11840	25.34	LRT	5	**Tucuman** — Argentina
11840	25.34	GWQ	50	**London** — Gr. Britain
11845	25.32		100	**Allouis** — France
11850	25.32	VUD4	10	**Delhi** — India
11850	25.32	HJCT	2,5	**Bogota** — Colombia
11850	25.32	VLA4	100	**Shepparton** — Australia
11850	25.32	CE1185	1	**Santiago** — Chile
11850	25.32	ZPA3	1,2	**Asuncion** — Paraguay
11855	25.31	DZH8	3	**Manila** — Philippines
11860	25.30	GSE	50	**London** — Gr. Britain
11860	25.30	KWIX	50	**San Francisco** — U.S.A.
11865	25.28	HER5	100	**Schwarzenburg** — Switzerl.
11870	25.27		85	**Munich V** — Germany Am. Z
11870	25.27	VUD8	7,5	**Delhi** — India
11870	25.27	VUD9	7,5	**Delhi** — India
11870	25.27	VLC3	50	**Shepparton** — Australia
11870	25.27	WOOW	50	**New York** — U.S.A.
11875	25.26		100	**Moscow** — U.S.S.R.
11875	25.26	OLR4C	30	**Podebrady** — Czechoslov.
11880	25.25	XEHH	0,25	**Mexico City** — Mexico
11880	25.25		7,5	**Singapore** — Malaya
11880	25.25	VLA8	100	**Shepparton** — Australia
11880	25.25	VLH4	10	**Melbourne** — Australia
11880	25.25	LRS	10	**Buenos Aires** — Argentina
11885	25.25	VLG5	10	**Lyndhurst** — Australia
11885	25.24		100	**Allouis** — France
11885	25.24	APK3	50	**Karachi** — Pakistan
11890	25.23		100	**Moscow** — U.S.S.R.
11890	25.23	APD2	7,5	**Dacca** — Pakistan
11890	25.23	VUD7	100	**Delhi** — India
11890	25.23	VUD11	20	**Delhi** — India
11890	25.23		50	**Manila** — Philippines
11890	25.23	WNRX	50	**New York** — U.S.A.
11890	25.23	GVV	50	**London** — Gr. Britain
11897	25.21	FHE3	3	**Dakar** — Senegal
11900	25.21	KWID	100	**San Francisco** — U.S.A.
11900	25.21	CKEX	50	**Sackville** — Canada
11900	25.21	VIR8	100	**Shepparton** — Australia
11900	25.21	VLG9	10	**Lyndhurst** — Australia
11900	25.21		0,08	**R. Dacia Romana** — Rum.
11900	25.21	CXA10	20	**Montevideo** — Uruguay
11900	25.21	HI2T	7,5	**Trujillo** — Dominicana
11900	25.21	OLR4B	30	**Podebrady** — Czechoslov.
11900	25.21		100	**Moscow** — U.S.S.R.
11900	25.21	CE1190	1,5	**Valparaiso** — Chile
11913	25.18	BEF7	35	**Chungking** — China
11915	25.17		7,5	**Damascus** — Syria
11918	25.17		100	**Moscow** — U.S.S.R.
11930	25.15	GVX	50	**London** — Gr. Britain
11945	25.12	ZPA5	2,5	**Asuncion** — Paraguay
11950	25.10		100	**Moscow** — U.S.S.R.
11955	25.09	GVY	50	**London** — Gr. Britain
11960	25.08		100	**Moscow** — U.S.S.R.
11960	25.08		7,5	**Tabriz** — Iran
11970	25.06	FZI	50	**Brazzaville** — Fr. Equ. Afr.
11998	25.00	CE1180	1	**Santiago** — Chile
12020	24.96		100	**Moscow** — U.S.S.R.
12040	24.92	GRV	50	**London** — Gr. Britain
12080	24.83		100	**Moscow** — U.S.S.R.
12095	24.80	GRF	50	**London** — Gr. Britain
12100	24.78	FO8AA	0,2	**Papeete** — Tahiti
12120	24.75	BEN6	0,2	**Taiyuan** — China
12175	24.64	TFJ	7	**Reykjavik** — Iceland
12190	24.69		5	**Nanking** — China
12270	24.45		100	**Moscow** — U.S.S.R.
12420	24.15		0,1	**Dairen** — China
12455	24.10	HCJB	10	**Quito** — Ecuador
12805	23.43	HC2FW	0,5	**Guayaquil** — Ecuador
12865	23.32	CSB51	10	**Parede** — Portugal
13400	22.39		100	**Moscow** — U.S.S.R.
13610	22.04		100	**Moscow** — U.S.S.R.
13880	21.61		100	**Moscow** — U.S.S.R.
14280	21.01		1	**R. Africa** — Tangier

kc/s	Metres		kW	Station
				19 METRE BAND
14825	20.22	LPC	0,5	**Ushuaia** — Argentina
15040	19.95		1	**Macao** — Port. China
15040	19.95		100	**Moscow** — U.S.S.R.
15050	19.95			**Pan Amer. Rad.** — Tang.
15070	19.91	GWC	50	**London** — Gr. Britain
15087	19.88		100	**Moscow** — U.S.S.R.
15090	19.88	CBLX	7,5	**Vercheres** — Canada
15090	19.88	CKLX	50	**Sackville** — Canada
15095	19.87	HVJ	25	**Vatican City** — Vaticane
15100	19.87		100	**Allouis** — France
15100	19.87	EPB	14	**Teheran** — Iran
15110	19.85	GWG	50	**London** — Gr. Britain
15115	19.85	HCJB	1	**Quito** — Ecuador
15120	19.84	HED7	25	**Schwarzenb.** — Switzerl.
15120	19.84		50	**Busto Arsizio III** — Italy
15120	19.84		100	**Colombo** — Ceylon
15120	19.84	HVJ	10	**Vatican City** — Vaticane
15120	19.84		1,5	**Athlone** — Ireland
15130	19.83	WRUA	50	**Boston** — U.S.A.
15130	19.83	WRUL	50	**Boston** — U.S.A.
15130	19.83	KRHO	100	**Honolulu** — Hawaii
15130	19.83	KNBA	50	**Dixon** — U.S.A.
15130	19.83	VUD10	20	**Delhi** — India
15130	19.83	VUD11	20	**Delhi** — India
15130	19.83	KCBR	200	**Delano** — U.S.A.
15130	19.83	WOOC	50	**Wayne** — U.S.A.
15140	19.82	GSF	50	**London** — Gr. Britain
15140	19.82		100	**Moscow** — U.S.S.R.
15145	19.82	ZYK2	64	**Recife** — Brazil
15150	19.80	KCBA	50	**Delano** — U.S.A.
15150	19.80	WRCA	50	**New York** — U.S.A.
15150	19.80	ZYB9	25	**Sao Paulo** — Brazil
15150	19.80	YDC	100	**Batavia** — Java
15155	19.80	SBT	12	**Motala II** — Sweden
15160	19.79	WLB11	100	**Shepparton** — Australia
15160	19.79	VLG7	10	**Lyndhurst** — Australia
15160	19.79	CS2MQ	10	**Atlantico** — Portugal
15160	19.79	VUD7	100	**Delhi** — India
15160	19.79	VUD3	5	**Delhi** — India
15160	19.79	VUD10	20	**Delhi** — India
15160	19.79	OLR5C	30	**Podebrady** — Czechoslov.
15165	19.78	OZH2	50	**Herstedvester** — Denm.
15165	19.77	ZYN7	5	**Fortaleza** — Brazil
15170	19.79	LKV	100	**Frederiksstad** — Norway
15170	19.78	VUD10	20	**Delhi** — India
15170	19.78	TGWA	10	**Guatemala City** — Guatem.
15170	19.78	BEF8	35	**Chungking** — China
15170	19.78		100	**Moscow** — U.S.S.R.
15170	19.77	OQ2AA	0,25	**Leopoldville** — Belg. C.
15180	19.76	GSO	50	**London** — Gr. Britain
15190	19.75	CKCX	50	**Sackville** — Canada
15190	19.75	CBFZ	7,5	**Vercheres** — Canada
15190	19.75	PRK9	22	**Belo Horizonte** — Brazil
15190	19.75	VUD5	100	**Delhi** — India
15190	19.75	VUD11	20	**Delhi** — India
15190	19.75	OIX4	100	**Pori III** — Finland
15195	19.74	TAQ	20	**Ankara** — Turkey
15200	19.74	VLC	50	**Shepparton** — Australia
15200	19.74	VLG11	10	**Lyndhurst** — Australia
15200	19.74	VLB6	100	**Shepparton** — Australia
15200	19.74	VLA6	100	**Shepparton** — Australia
15210	19.72	VLC11	50	**Shepparton** — Australia
15210	19.72	VLG11	10	**Lyndhurst** — Australia
15210	19.72	GWU	50	**London** — Gr. Britain
15210	19.72	VUD5	100	**Delhi** — India
15210	19.72	WRUA	50	**Boston** — U.S.A.
15210	19.72	WBOS	50	**Boston** — U.S.A.
15210	19.72	KGEI	50	**S. Francisco** — U.S.A.
15210	19.72	WRCA	50	**New York** — U.S.A.
15210	19.72	KCBA	50	**Delano** — U.S.A.
15210	19.72		100	**Moscow** — U.S.S.R.
15220	19.71	PCJ	40	**Huizen** — Holland
15220	19.71	VLC11	50	**Shepparton** — Australia
15220	19.71	VLA6	100	**Shepparton** — Australia
15225	19.70	JBD3	15	**Kawachi** — Japan
15230	19.70	VLG6	10	**Lyndhurst** — Australia
15230	19.70	VLA5	100	**Shepparton** — Australia
15230	19.70	VLG6	10	**Lyndhurst** — Australia
15230	19.70	OLR5A	30	**Podebrady** — Czechoslov.
15230	19.70	GWD	50	**London** — Gr. Britain
15230	19.70		100	**Moscow** — U.S.S.R.
15230	19.69	VLH5	10	**Melbourne** — Australia
15235	19.69	JBD4	5	**Kawachi** — Japan
15240	19.69	VLG6	10	**Lyndhurst** — Australia
15240	19.68		100	**Allouis** — France
15240	19.68	KNBX	200	**Dixon** — U.S.A.
15250	19.67	WLWR	75	**Cincinnati** — U.S.A.
15250	19.67	KNBX	200	**Dixon** — U.S.A.
15250	19.67		100	**Manila** — Philippines
15250	19.67	KCBR	200	**Delano** — U.S.A.
15250	19.67	KRHO	100	**Honolulu** — Hawaii
15260	19.66	GSI	50	**London** — Gr. Britain
15270	19.65		100	**Moscow** — U.S.S.R.
15270	19.65	KCBR	200	**Delano** — U.S.A.
15270	19.65	WCBN	50	**New York** — U.S.A.
15280	19.63		85	**Munich** — Germany Am. Z.
15280	19.63	ZL4	10	**Wellington** — N. Zealand
15283	19.63		100	**Moscow** — U.S.S.R.
15285	19.63	WNRE	50	**New York** — U.S.A.
15290	19.62	VUD10	20	**Delhi** — India
15290	19.62	VUD11	20	**Delhi** — India
15290	19.62	VUD3	5	**Delhi** — India
15290	19.62	LRU	5	**B. Aires** — Argentina
15295	19.61		100	**Allouis** — France
15300	19.61	GWR	50	**London** — Gr. Britain
15300	19.60	CXA19	20	**Montevideo** — Uruguay
15300	19.61		7,5	**Singapore** — Malaya
15303	19.60	TGZA	0,25	**Guatemala City** — Guatem.
15305	19.60	HER6	25	**Schwarzenb.** — Switzerl.
15308	19.60		50	**Kiev** — U.S.S.R.
15310	19.60	GSP	50	**London** — Gr. Britain
15320	19.58	HEI7	25	**Schwarzenburg** — Switzerl.
15320	19.58	CKCS	50	**Sackville** — Canada
15320	19.59	VLB11	100	**Shepparton** — Australia
15320	19.59	VLC4	50	**Shepparton** — Australia
15320	19.59	VLA5	100	**Shepparton** — Australia
15320	19.59	VLG6	10	**Lyndhurst** — Australia
15320	19.58	OLR5B	30	**Podebrady** — Czechoslov.
15320	19.58		100	**Moscow** — U.S.S.R.
15325	19.58	OQ2RC	15	**Leopoldville** — B. Congo
15330	19.57	WGEO	100	**Schenectady** — U.S.A.
15330	19.57	WLWR2	75	**Cincinnati** — U.S.A.
15330	19.57		50	**Manila** — Philippines
15335	19.56	APD1	7,5	**Dacca** — Pakistan
15340	19.56		100	**Moscow** — U.S.S.R.
15345	19.55	CXA8	20	**Montevideo** — Uruguay
15350	19.54	WRUL	50	**Boston** — U.S.A.
17840	16.82	VLA10	75	**Cincinnati** — U.S.A.
15350	19.54		5	**Luxembourg** — Luxemb.
15350	19.54		100	**Allouis** — France
15350	19.54	VUD9	7,5	**Delhi** — India
15345	19.53		7,5	**Athens** — Greece
15370	19.52	ZYC9	5	**Tamoi** — Brazil
15370	19.52		50	**Leningrad** — U.S.S.R.
15390	19.49		100	**Moscow** — U.S.S.R.
15395	19.49		7,5	**Damascus** — Syria
15400	19.48	PZC	5	**Paramaribo** — D. Guiana
15410	19.47		100	**Moscow** — U.S.S.R.

kc/s	Metres		kW	Station
15435	19.44	GWE	50	**London** — Gr. Britain
15440	19.43		100	**Moscow** — U.S.S.R.
15450	19.42	GRD	50	**London** — Gr. Britain
15595	19.23	FZI	50	**Brazzaville** — Fr. Equ.Afr.
15630	19.19		3	**Tirana** — Albania
15635	19.18		40	**Madrid** — Spain
15650	19.14	HC2FX	20	**Guayaquil** — Ecuador
15715	19.10	LQB4	1	**B. Aires** — Argentina
15915	18.85	CR6RL	1	**Luanda** — Angola
17850	16.81	PRL9	50	**Rio de Janeiro** — Brazil
17865	16.80		7,5	**Damascus** — Syria
17880	16.78	WGEX	25	**Schenectady** — U.S.A.
17890	16.77	HCJB	10	**Quito** — Ecuador
18025	16.64	GRQ	50	**London** — Gr. Britain
18080	16.59	GVO	50	**London** — Gr. Britain
18130	16.55	GRP	50	**London** — Gr. Britain
18160	16.52	WNRI	50	**New York** — U.S.A.
19345	15.51	PLF2	2,5	**Batavia** — Java

16 METRE BAND

kc/s	Metres		kW	Station
17450	17.19	HVJ	25	**Vatican City** — Vaticane
17630	17.02	PLD6	2,5	**Batavia** — Java
17700	16.95	GVP	50	**London** — Gr. Britain
17715	16.93	GRA	50	**London** — Gr. Britain
17720	16.93	LRA5	10	**B. Aires** — Argentina
17730	16.92	HJCT	3	**Bogota** — Colombia
17730	16.92		7,5	**Colombo** — Ceylon
17730	16.92	GVQ	50	**London** — Gr. Britain
17750	16.90	WRUX	10	**Boston** — U.S.A.
17755	16.90	WRUW	200	**Boston** — U.S.A.
17755	16.90	WRUX	200	**Boston** — U.S.A.
17760	16.89	VUD3	5	**Delhi** — India
17760	16.89	KWID	100	**San Francisco** — U.S.A.
17760	16.89		75	**Manila** — Philippines
17765	16.88		100	**Allouis** — France
17768	16.88	OTC5	50	**Leopoldville** — B. Congo
17768	16.88	OTC5	50	**Leopoldville** — B. Congo
17770	16.88		7,5	**Colombo** — Ceylon
17770	16.88	KCBF	50	**Delano** — U.S.A.
17770	16.88	PHI	40	**Huizen** — Holland
17780	16.87	WNBI	50	**New York** — U.S.A.
17780	16.87	KGEX	100	**S. Francisco** — U.S.A.
17780	16.87	VUD11	20	**Delhi** — India
17784	16.87	HER7	25	**Schwarzenb.** — Switzerl.
17790	16.86	GSG	50	**London** — Gr. Britain
17800	16.85	VLB7	100	**Shepparton** — Australia
17800	16.85	VLA7	100	**Shepparton** — Australia
17800	16.85	KRHO	100	**Honolulu** — Hawaii
17800	16.85	KRHK	100	**Honolulu** — Hawaii
17800	16.85	WLWK	50	**Cincinnati** — U.S.A.
17800	16.85	OIX5	15	**Helsinki III** — Finland
17810	16.84	GSV	50	**London** — Gr. Britain
17820	16.84	CKNC	50	**Sackville** — Canada
17825	16.83	LLN	10	**Frederiksstad** — Norway
17830	16.83	VUD10	20	**Delhi** — India
17830	16.83	VUD5	100	**Delhi** — India
17830	16.83	VUD7	100	**Delhi** — India
17830	16.83	VUD3	20	**Delhi** — India
17830	16.83	OLR6A	30	**Podebrady** — Czechoslov.
17830	16.83	WCBX	50	**New York** — U.S.A.
17830	16.83	KNBX	200	**S. Francisco** — U.S.A.
17830	16.83	WLWS1	75	**Cincinnati** — U.S.A.
17840	16.82	VLA10	100	**Shepparton** — Australia
17840	16.82	VLC9	50	**Shepparton** — Australia
17840	16.82	HVJ	25	**Vatican City** — Vaticane
17840	16.82	VUD7	100	**Delhi** — India
17840	16.82	VUD5	100	**Delhi** — India
17840	16.82	FZI	1,5	**Brazzaville** — Fr. Equ.Afr.
17840	16.82		1,5	**Athlone** — Ireland
17845	16.82		5	**Ruyselede** — Belgium
17850	16.81		100	**Allouis** — France

13 METRE BAND

kc/s	Metres		kW	Station
21000	14.30	FZI	0,8	**Brazzaville** — Fr. Equ.Afr.
21450	13.99	OLR7A	30	**Podebrady** — Czechoslov.
21450	13.98		5	**Ruyselede** — Belgium
21460	13.98	KNBA	50	**Delano** — U.S.A.
21470	13.97	GSH	50	**London** — Gr. Britain
21470	13.97		7,5	**Colombo** — Ceylon
21480	13.96	PHI2	15	**Huizen** — Holland
21500	13.95	WOOW	50	**New York** — U.S.A.
21510	13.95	VUD5	100	**Delhi** — India
21510	13.95	VUD8	7,5	**Delhi** — India
21510	13.95	VUD11	20	**Delhi** — India
21510	13.95	VUD10	20	**Delhi** — India
21520	13.94	HER8	100	**Schwarzenb.** — Switzerl.
21530	13.93	GSJ	50	**London** — Gr. Britain
21540	13.93	VLB5	100	**Shepparton** — Australia
21550	13.92	GST	50	**London** — Gr. Britain
21565	13.91	OLR7B	30	**Podebrady** — Czechoslov.
21570	13.91	WCRC	50	**New York** — U.S.A.
21590	13.90	WGEA	50	**Schenectady** — U.S.A.
21600	13.89	VLB8	100	**Shepparton** — Australia
21600	13.89	CKRP	50	**Sackville** — Canada
21600	13.89	VLA9	100	**Shepparton** — Australia
21610	13.88	WNRA	50	**New York** — U.S.A.
21620	13.88		7,5	**Colombo** — Ceylon
21620	13.87	COCY	1	**Havana** — Cuba
21630	13.87	KNBI	50	**Dixon** — U.S.A.
21640	13.86	OLR7C	30	**Podebrady** — Czechoslov.
21640	13.86	GRZ		**United Nations**
21640	13.86	GRZ	50	**London** — Gr. Britain
21650	13.86	WLWS1	75	**Cincinnati** — U.S.A.
21670	13.85	LLP	5	**Oslo** — Norway
21675	13.84	GVR	50	**London** — Gr. Britain
21680	13.84	VLC10	50	**Shepparton** — Australia
21690	13.83	WLWL1	75	**Cincinnati** — U.S.A.

11 METRE BAND

kc/s	Metres		kW	Station
21710	13.82	GVS	50	**London** — Gr. Britain
21710	13.82	CHLA	50	**Sackville** — Canada
21730	13.81	WNRX	50	**New York** — U.S.A.
21740	13.81		100	**Allouis V** — France
21740	13.80	KCBA	50	**Delano** — U.S.A.
21750	13.79	GVT	50	**London** — Gr. Britain
25600	11.72	WRUX	50	**Boston** — U.S.A.
25750	11.65	GSQ	50	**London** — Gr. Britain
26100	11.49	GSK	50	**London** — Gr. Britain
26400	11.36	GSR	50	**London** — Gr. Britain
26550	11.30	GSS	50	**London** — Gr. Britain
27000	11.11	CXA11	2,5	**Montevideo** — Uruguay
29500	10.02	CXA22	2,5	**Montevideo** — Uruguay

TIME TABLE

DIFFERENCE BETWEEN LOCAL TIME AND GREENWICH MEAN TIME

The differences marked + indicate the number of hours ahead of G. M. T. Differences marked ÷ indicate the number of hours behind G. M. T.

	Normal clock Time	Summer Time
Aden	+3	+3
Albania	+1	+1
Algeria	GMT	GMT
Andorra	+1	+1
Angola	+1	+1
Arabia	+3	+3
Argentina	÷3	÷3
Australia		
a) Victoria, New South Wales, Queensland, Tasmania, (Brisbane, Melbourne, Sydney)	+10	+10
b) North Territory, S. Australia	+9½	+9½
c) W. Australia (Perth)	+8	+8
Austria	+1	+1
Azores	÷2	÷1
Bahamas (W.I.)	÷5	÷5
Barbados (W.I.)	÷4	÷4
Balearic Islands	GMT	GMT
Bali	+8	+8
Belgian Congo	+1	+1
Belgium	+1	+1
Bermuda	÷4	÷3
Bolivia	÷4	÷4
Borneo	+8	+8
Brazil		
a) Eastern and Coastal.	÷3	÷3
b) Western (Manaos)	÷4	÷4
Bulgaria	+2	+2
Burma	+6½	+6½
		¼-1/10
Cameroons	+1	+1
Canada		
a) Atlantic (Nova Scotia-Quebec)	÷4	25/42 5/9 ÷3
b) Eastern (Ontario)	÷5	÷4
c) Central (Manitoba)	÷6	÷5
d) Mountain (Alberta)	÷7	÷6
e) Pacific (Br. Columbia)	÷8	÷7
Canary Islands	÷1	GMT
Cap Verde Islands	÷2	÷2
Celebes	+8	+8
Ceylon	+5½	+5½
Chile	÷4	÷4
China		
Shanghai, Peiping	+8	+9
Chunking, Canton	+7	+8
Formosa	+8	+9
		⅕-1/11
Manchuria	+9	+9
Colombia	÷5	÷5
Costa Rica	÷6	÷6
Cuba (W. I.)	÷5	÷5
Curaçao	÷4½	÷4½
Cyprus	+2	+2
Cyrenaica	+2	+2
Czechoslovakia	+1	+2
		10/1-2/10
Denmark	+1	+1
Dominican Republic(W.I.)	÷5	÷5
Ecuador	÷5	÷5
Egypt	+2	+2
Eire	GMT	+1
		31/4-30/10
El Salvador	÷6	÷6
Eritrea	+3	+3
Ethiopia	+3	+3
Fiji Islands	+12	+12
Finland	+2	+2
France	+1	+1
French Equatorial Africa (Brazzaville)	+1	+1
Gambia	GMT	GMT
Germany	+1	+2
		9/4-2/10
Gibraltar	+1	+2
Gold Coast	GMT	GMT
Great Brit.	GMT	+1
		¼-1/10
Greece	+2	+2
Greenland	÷3	÷3
Guadeloupe (W. I.)	÷4	÷4
Guam	+10	+10
Guatemala	÷6	÷6
Guiana (British)	÷3¾	÷3¾
Guiana (Dutch)	÷3,40	÷3,40
Guiana (French)	÷4	÷4
Guinea (Portuguese)	÷1	GMT
Guinea (Spanish)	+½	+½
Haiti (W. I.)	÷5	÷5
Hawaiian Islands	÷10	÷10
Holland	+1	+1
Honduras (Rep.)	÷6	÷6
Honduras (British)	÷6	÷6
Hong Kong	+8	+9
		¼-1/11
Hungary	+1	+2
Iceland	÷1	GMT
India	+5½	+5½
India (Portuguese)	+5½	+5½
Indo China (French)	+8	+8
Indo China (Vietnam)	+7	+7
Iran (Persia)	+3½	+3½
Iraq	+3	+3
Ireland (Northern)	GMT	+1
Israel	+2	+3
		30/4-31/10
Italy	+1	+1
Jamaica (W. I.)	÷5	÷5
Japan	+9	+10
		¼-1/10
Java	+8	+8
Kenya	+3	+3
Korea (South)	+9	+10
(North)	+9	+10
Lebanon	+2	+2
Liberia	÷1	÷1
Libya		
a) West (Tripolitania)	+2	+2
b) East (Cyrenaica)	+2	+2
Luxembourg	+1	+1
Macao	+8	+9
Madagascar	+3	+3
Madeira	÷1	GMT
Malaya	+7½	+7½
Malta	+1	+1
Martinique	÷4	÷4
Mauritius	+4	+4
Mexico	÷6	÷6
Moluccas	+9	+9
Monaco	+1	+1
Morocco (French)	GMT	GMT
Morocco (Spanish)	GMT	+1
Mozambique	+2	+2
Netherlands (see Holl.)	+1	+1
New Caledonia	+11	+11
Newfoundland	÷3½	÷2½
New Guinea (Dutch)	+9	+9
New Guinea (British)	+10	+10
New Zealand	+12	+12
Nicaragua	÷6	÷6
Nigeria	+1	+1
Northern Rhodesia	+2	+2
Norway	+1	+1
Pakistan		
a) West	+5½	+5½
b) East	+6½	+6½
Palestine (exc. Israel)	+2	+3
Panama	÷5	÷5
Paraguay	÷4	÷4
Persia (see Iran)		
Peru	÷5	÷5
Philippine Islands	+8	+8
Poland	+1	+2
		10/1-10/10
Portugal	GMT	+1
		1/4 1/10
Puerto Rico (W. I.)	÷4	÷4
Reunion	+4	+4
Rhodesia (Northern and Southern)	+2	+2
Roumania	+2	+2
Salvador (see El Salvador)	÷6	÷6
Samoa Islands	÷11	÷11
S. Tomé	GMT	+1
Sardinia	+1	+1
Saudi Arabia	+3	+3
Senegal	GMT	GMT
Siam	+7	+7
Sicily	+1	+1
Sierra Leone	GMT	GMT
Solomon Islands	+11	+11
Somaliland (British)	+3	+3
Somaliland (French)	+3	+3
Southern Rhodesia	+2	+2
Spain	+1	+2
Sudan (Anglo-Egyptian)	+2	+2
Sumatra	+7	+7
Surinam	÷3,40	÷3,40
Sweden	+1	+1
Switzerland	+1	+1
Syria	+2	+2
Tanganyika	+3	+3
Tangier	GMT	+1 (June-Sept.)
Tahiti	÷10	÷10
Tasmania	+10	+10
Transjordan	+2	+2
Trieste	+1	+1
Trinidad (W. I.)	÷4	÷4
Tunisia	+1	+1
Turkey	+2	+3 (Apr.-Okt.)
Union of South Africa	+2	+2
Uruguay	÷3	÷3
U. S. S. R. Moscow, Leningrad	+3	+3
U. S. A		
a) Eastern Zone[1])	÷5	÷4 (May-Sep.)
b) Central Zone[2])	÷6	÷5 (May-Sep.)
c) Mountain Zone[3])	÷7	÷6 (May-Sep.)
d) Pacific Zone[4])	÷8	÷7 (May-Sep.)
Vatican	+1	+1
Venezuela	÷4½	÷4½
Yemen	+3	+3
Yugoslavia	+1	+1

1) Connecticut, Delaware, Florida, Georgia, Maine, Maryland, Massachusetts, New Hampshire, New Jersy, New York, North Carolina, Ohio, Pennsylvania, Rhode Island, South Carolina, Vermont, Virginia, West Virginia.

2) Alabama, Arkansas, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Michigan, Minnesota, Mississippi, Missouri, Nebraska, North Dakota, Oklahoma, South Dakota, Tennessee, Texas, Wisconsin.

3) Arizona, Colorado, Idaho, Montana, New Mexico, Utah, Wyoming.

4) California, Nevada, Oregon, Washington State.

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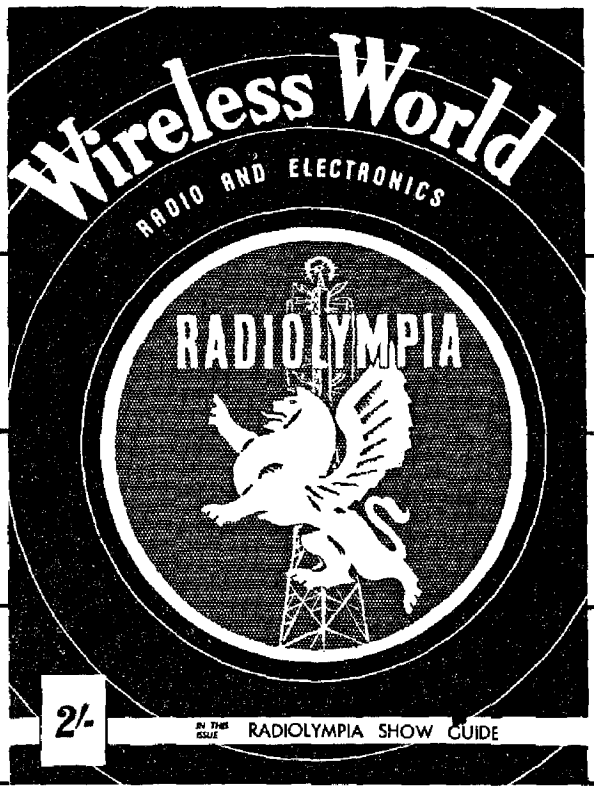

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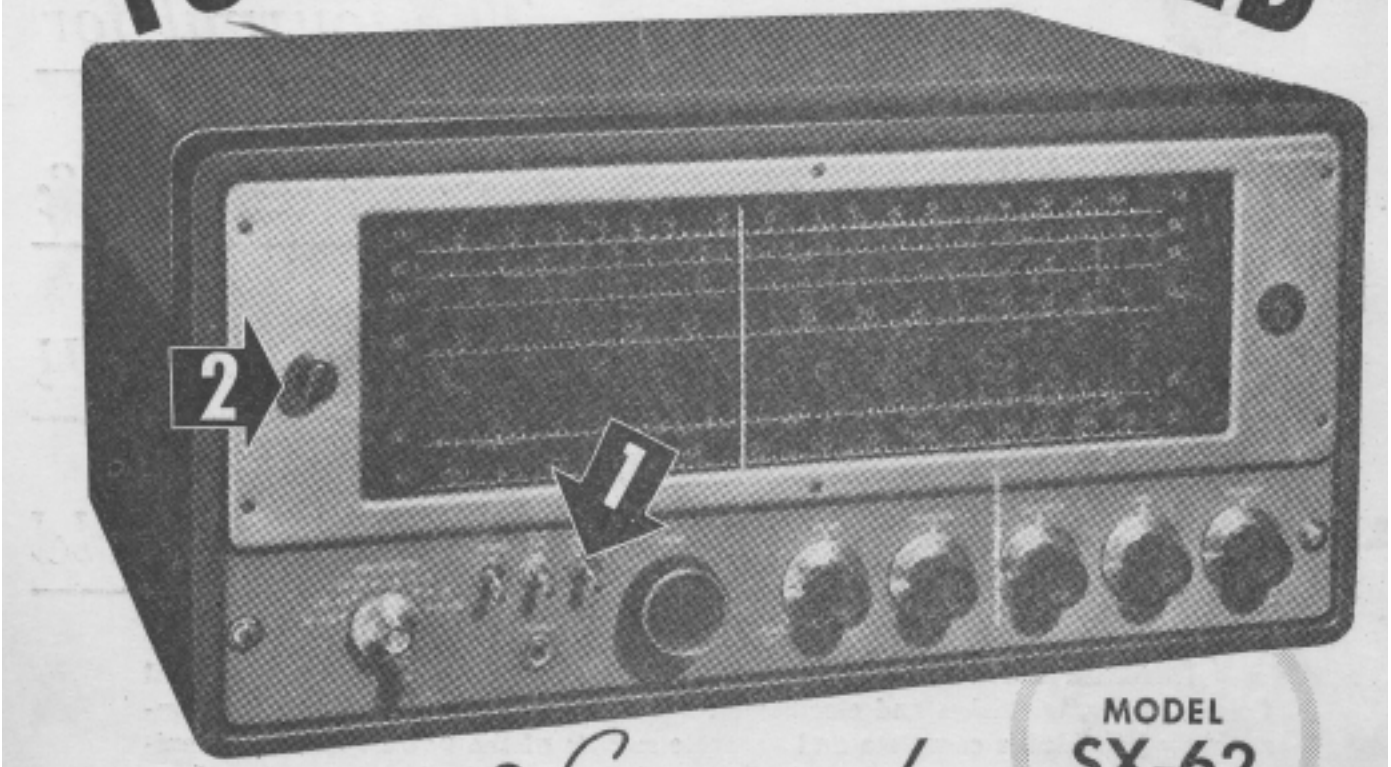

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